



INTELLECTUAL  
PROPERTY OFFICE  
BRUNEI DARUSSALAM

28 February 2022

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# PATENT JOURNAL

**Brunei Darussalam Intellectual Property Office (BrulPO)**

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## **General Information**

The Brunei Darussalam Intellectual Property Office (BruIPO) is an Office under the Attorney General's Chamber and its premises with effect from the 1 April, 2019 and is situated at the following address:

Brunei Darussalam Intellectual Property Office (BruIPO)  
Attorney General's Chamber  
The Law Building,  
Jalan Raja Isteri Pengiran Anak Hajah Saleha,  
Bandar Seri Begawan BA1910  
Brunei Darussalam  
Tel: +673 2225919

## **Opening Hours**

With effect from 1 January, 2020, the Brunei Intellectual Property Office (BruIPO) counter will operate as follows:

Monday to Thursday	: 8.00am to 12.00pm 2.00pm to 3.00pm
Saturday	: 8.00am to 11.00am
Friday and Sunday	: CLOSED

## **Submission of Applications**

1. All applications for the registration of patents must be lodged with the Registrar of Patents at the Brunei Darussalam Intellectual Property Office (BruIPO).
2. Submission of applications via fax is acceptable provided the documents transmitted are clear and legible (in particular, representations). For applications that require the payment of a fee, actual lodgement of the prescribed fee is required before such applications can be processed.

## **Enquiries**

1. For enquiries relating to any information in this Journal, kindly contact the Office at telephone numbers +673 2225919. Hard copies of the Journal can be purchased upon request from the Office at a cost of B\$10.00 per copy.
2. The website of the Brunei Darussalam Intellectual Property Office (BruIPO) is <http://www.bruipo.gov.bn>.
3. All Patent-related enquiries via email can be submitted to [enquiries@bruipo.gov.bn](mailto:enquiries@bruipo.gov.bn)

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## **Patents Legislation**

1. The legislation governing the registration of Patent in Brunei Darussalam is the Patents Order 2011, while the subsidiary legislation is the Patents Rule, 2012.
  
2. The hard copies of the legislation can be purchased from: Print Plus Sdn Bhd Prime Minister's Office Jalan Airport Lama Bandar Seri Begawan BB3510 Brunei Darussalam Tel: 238 2541
  
3. The soft copies of the legislation can be obtained from [www.bruipo.gov.bn](http://www.bruipo.gov.bn)

## **Forms and Fees**

1. For any proceedings before the Registry, the prescribed form to be used and the accompanying fee payable shall be in accordance with the First and Second Schedule of the Patents Rule, 2012.
  
2. Payment by cheque should be made out to 'THE GOVERNMENT OF BRUNEI DARUSSALAM'.

## **Restrictions on Applications Abroad by Residents of Brunei Darussalam**

1. Local applicants intending to file a patent abroad must first obtain the Registrar's written authority as prescribed under section 33(1) of the Patents Order, 2011.
  
2. Failure to observe this requirement is an offence under section 33(1)(b)(3) of the Order.

## **Transitional Applications**

1. Transitional applications under Section 115 shall be lodged with the Registrar of Patents in the following manner:
  - Request to the Registrar of Patents for re-registration of a Singapore, Malaysia or United Kingdom/European patent;
  - Lodgement of Patent Form PF46;
  - Certified true copy of the grant of patent in the relevant country;
  - Prescribed fee of B\$250.00; and
  - Any other supporting documents that the Registrar deems necessary.
  
2. The filing of a Power of Attorney accompanying a request for re-registration is no longer a requirement with effect from 1 January 2012.



3. Any renewal due for patents registered under the repealed Inventions Act (Cap 72) on or after 1 January 2012 shall be made in accordance with Section 54 on Patents Form PF20. Applicants must furnish supporting documents proving the validity of the patents which are due for renewal.

4. Search on the Register of patents (re-registrations) can be conducted at the Office by completing a Search Form PF30 and the payment of a search fee of \$6.50 per hour.

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## **'INID' NUMBERS IN USE ON BRUNEI PATENT DOCUMENTS**

'INID' is an acronym for Internationally agreed Numbers for the Identification of Data'

(10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

(20) Document filing data

- (21) Number(s) assigned to the application(s)
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

(30) Priority data

- (31) Number(s) assigned to priority application(s).
- (32) Date(s) of filing priority application(s).
- (33) Country (countries) in which the priority application(s) was (were) filed.

(40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of unexamined document, on which no grant has taken place on or before the said date.
- (44) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.
- (45) Date of publication by printing or similar process of a document, on which grant has taken place on or before the said date.
- (47) Date of making a granted patent available to the public by viewing, or copying on request

(50) Technical information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text.
- (57) Abstract or claim.

(60) Reference(s) to other legally related domestic document(s)

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document



- (70) Name(s) of nominated person
- (71) Name(s) of applicant(s).
- (72) Name(s) of inventor(s) if known to be such.
- (74) Name(s) of attorney(s) or agent(s).
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

(80) Identification of data related to International Conventions other than the Paris Convention

- (86) PCT Application Number.
- (87) PCT Publication Number.

**NOTE**

- (1) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)2, (51)3, (51)4 and (51)5.
- (2) INID code 74 provides for the name of patent attorney, or firm of attorneys, prosecuting an application.

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## **PRACTICE NOTE 2012/01**

### **PATENT RENEWALS**

#### **• RENEWAL OF PATENTS REGISTERED UNDER SECTION 115 OF THE PATENTS ORDER**

1. For Section 115 applications, the following original documents need to be signed and submitted to the Registry of Patents:

- (a) PF20;
- (b) PF46 (for the first instance of renewal payment if that agent is not previously appointed);
- (c) evidence of the original patent not having been revoked, and
- (d) a cheque drawn on a Brunei bank account including the correct fee for both the PF20 and PF46. Cheques must be made payable to 'THE GOVERNMENT OF BRUNEI DARUSSALAM'.

#### **2. PF20**

The notes at the top of the form and applicable provisions in the Patents Order and Patent Rules should be followed strictly. Additional formatting guidelines are as follows:

Section 2: Brunei registration number in format RP/XX/YYYY for pre 2012 cases, and RE YYYY/XXXX for 2012 onwards.

Section 3: Original Patent number in the format UK: GBXXXXXXX or EPXXXXXXX; MY: MY-XXXXXX-A; and SG: XXXXX.

Section 4: This should match the current details on the Brunei Register (rather than the original patent register details).

Section 5: Agents attending to the renewal on behalf of the proprietor should leave Section 5 blank and instead fill in details in Section 7 and 8.

Section 6: The renewal deadline is calculated from the date of filing for all UK, MY and SG original cases.

#### **3. PF46**

Section 6: Most commonly the appointment is for renewal matters only, so the "for renewals only" box should be checked, assuming the agent has not been previously appointed.

#### **4. PF21**

Extension fees will become payable for renewals as of 1 January 2013.

#### **5. Certification of original patent**

Evidence must be provided that the original patent must not be "revoked" as of the date of the renewal being paid. Please note it does not matter if the original patent has "lapsed" or "ceased". Evidence can be in the form of a certified true copy of the applicable online register printed on the day of filing or a



statutory declaration to the same effect. The online register of the original patent can be printed and certified as a true copy by the authorised agent for the renewal using a suitable chop and signature.

- **EXPIRY OF PATENT AT THE END OF THE TERM OF THE PATENT**

6. Agents are reminded that under Section 115(4)(a), the term of a Section 115 patent is 20 years from the date of filing of the original (UK/MY/SG) patent; subject to Section 35 and 36. It does not make any difference which country the original patent is from.

### **AMENDMENT OF RULE 92 OF S 19/2012**

Rule 92 of the Patent Rules, 2012, is amended by repealing sub-rule (1) and by substituting the following new sub-rule therefor –

“(1) Subject to this rule, in relation to an international application for a patent (Brunei Darussalam) which is, under section 82, to be treated as an application for a patent under the Order, the prescribed period for the purpose of section 83(3) and (5) shall be, in a case where Brunei Darussalam has been designated and/or elected in accordance with the Patent Co-operation Treaty, 30 months from the relevant date.”.

### **AMENDMENTS AND CORRECTIONS**

- **AMENDMENT OF SPECIFICATION (RULES 51) OR CORRECTION OF ERROR IN SPECIFICATION (RULE 64)**

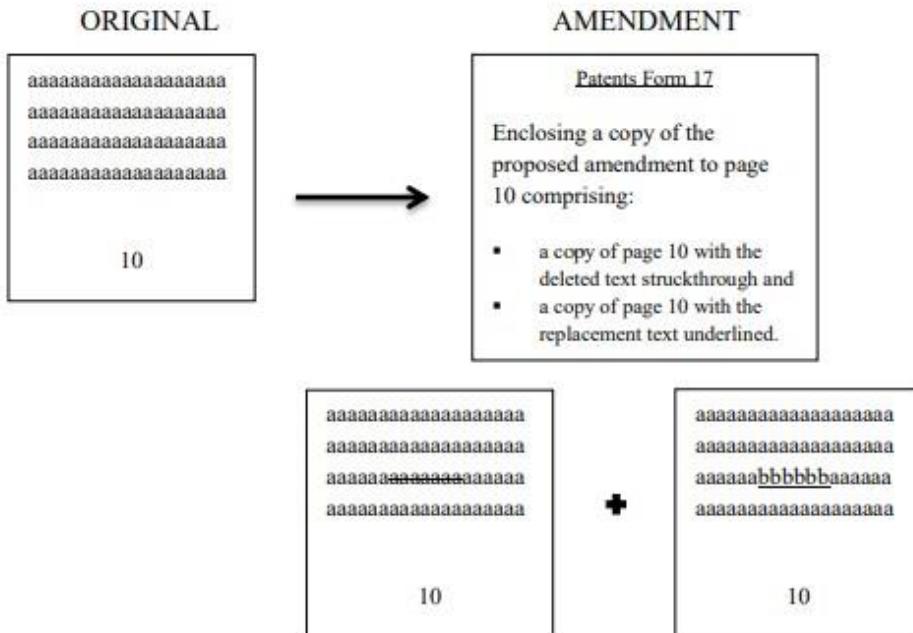
1. Unless required by the Registry under rules 51, an application for amendment of specification or a request for correction of an error in proposed amendment/correction incorporated; only a copy of the specification with the amendment/ correction indicated clearly therein is required. If a copy of the specification with the proposed amendment/correction incorporated is nonetheless filed, please be informed that the Registry will not review that document or consider it in any proceedings before the Registry.
2. The registry would also like to point out the replacement sheets with clear markings will reduce the need for clarification or further correspondences and hence will help expedite the processing of such requests.

- **AMENDMENTS/CORRECTIONS TO SPECIFICATION AND ABSTRACT**

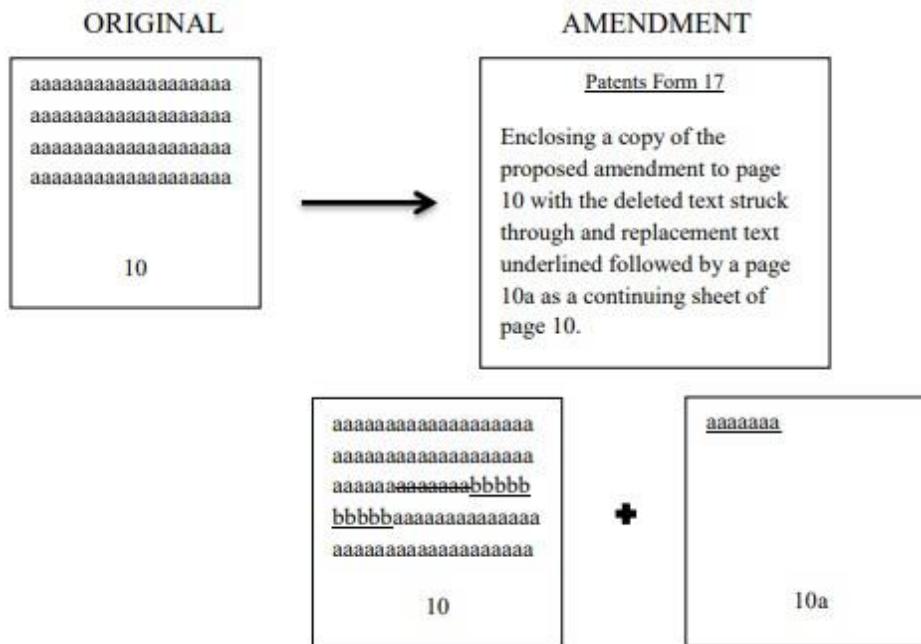
1. Amendments/corrections to patent specifications and abstracts are to be clearly marked and completed by striking through text/figure etc. to be replaced, and by underlining replacement text/figure etc.
2. The following 3 examples reflect 3 possible alternative ways to which the changes could be represented. Example 4 reflects a situation where Patents Form 19 is filed.



**Example 1: Page 10 of 19 sheets (Specification) is amended**

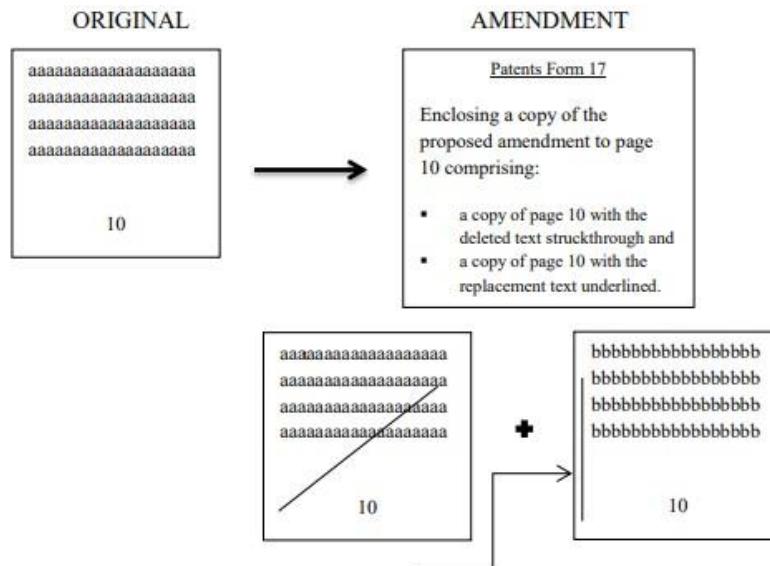


**Example 2: Page 10 of 19 sheets (Specification) is amended**



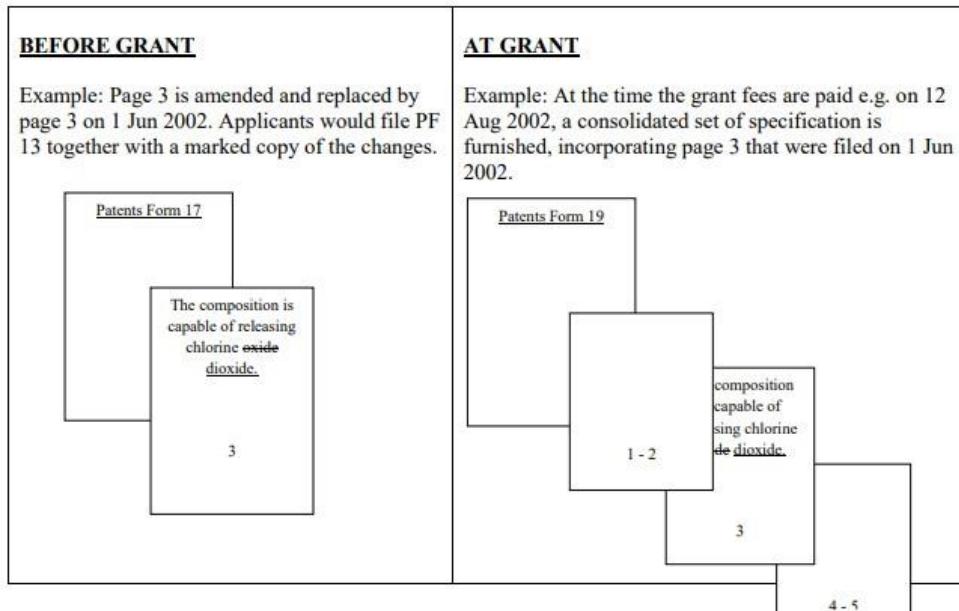


### Example 3: Page 10 of 19 sheets (Specification) is amended



This vertical line indicates the matter replacing the whole of page 10. To facilitate the document reproduction process however, the line should be placed about 0.5 cm to 1cm away from the 2.5 cm margin of each sheet.

### Example 4: Page 10 of 19 sheets (Specification) is amended





- **COMMONLY MADE MISTAKES WHEN FILING PATENTS FORM 17**

The following are some of the commonly made mistakes in relation to making a request for amendments –

- Replacement sheets for amendments are not filed with Patents Form 17. –
- There is no marked up copy enclosed with Patents Form 17. –
- Patents Form 17 is filed without any replacement sheet. -
- Amendments to be made given on Patents Form 17 are different from the replacement sheets.

### **REGISTRATION UNDER SECTION 115**

The following applications were processed through the Registry of Patents under section 115 of the Patents Order, 2011. Application numbers beginning with 'RP' are applications which were filed under the repealed Inventions Act (Cap 72) and were pending on 1 January 2012. Application numbers beginning with 'RE' are new re-registration applications filed after the implementation of the new Patents Order, 2011.

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Date of filing:	17 February, 2020
Application No.:	RE/R/2020/0001
Patent No.:	EP2580236 B1 and US352461 P
Date of Grant:	8 June, 2011
Applicant (s)/Proprietor(s):	ASTRAZENECA AB and PIERIS PHARMACEUTICALS GMBH
Title:	TEAR LIPOCALIN MUTEINS BINDING IL-4 R ALPHA

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## FIRST SCHEDULE

### FEES PAYABLE

<u>Matter</u>	<u>Fee</u>	<u>Corresponding Form(s)</u>
1. On filing a request for the grant of a patent	\$160.00	1
2. On reference under section 20(1) or 48(1)	\$450.00	2
3. On filing a counter-statement in each of the following cases –	\$40.00	3
(a) Opposing the making of an order under section 20 or 48		
(b) Opposing a request under section 22		
(c) In respect of a reference under section 23(5)		
(d) Opposing an application under section 24		
(e) In answer to a notice of opposition under section 38		
(f) In answer to a notice of opposition under section 41		
(g) In respect of a reference under section 49(5)		
(h) In respect of an application under section 55(3)		
(i) In answer to a notice of opposition under section 56(7)		
(j) In respect of a reference under section 65(3)		
(k) On contesting an application under section 76 for declaration of non- infringement		
(l) On contesting an application under section 77 for revocation of a patent		
(m) In answer to a notice of opposition under section 104(2) to the correction of an error, clerical error or mistake		
4. On application under section 20(5) or 48(3) for authorization by Registrar	\$50.00	4
5. On request for directions under section 22	\$450.00	5

6. On reference under section 23(5) or 49(5) to determine the question of licence	\$450.00	6
7. On application to the Registrar under section 24(1) 450 7 and/or 24(3)	\$450.00	7
8. On filing a statement of inventorship and of right to the grant of a patent	-	8
9. On request for early publication under section 27(2)	\$50.00	9
10. On filing a notice of withdrawal of an application for a patent under section 27(1)	-	10
11. On filing a request for a search report or a supplementary search report	\$1750.00	11
12. On filing a request for a search and examination report	\$2600.00	12
13. On furnishing information referred to in rule 46(1)	-	14
14. On filing a notice of intention to rely on an international preliminary report on patentability	-	15
15. On filing a request for an examination report	\$1100.00	16
16. On request to amend application before grant	-	17
17. On filing a response to a written opinion under section 31 or 39	-	18
18. On request that a certificate of grant be issued –		19
(a) where the application for a patent has not more than 25 claims in the patent specification when rule 49(3) is complied with	\$200.00	
(b) where the application for a patent has more than 25 claims in the patent specification when rule 49(3) is complied with	\$200.00 plus \$20.00 for Each claim in excess of 25 claims	
19. On payment of renewal fee (not including payment of back renewal fees pursuant to restoration or cancellation of entry in the register that licences are available as of right)	-	20

(a) for each year in respect of the 5th, 6th or 7th year of the patent		
(b) for each year in respect of the 8th, 9th or 10th year of the patent	\$160.00	
(c) for each year in respect of the 11th, 12th or 13th year of the patent	\$270.00	
(d) for each year in respect of the 14th, 15th or 16th year of the patent	\$350.00	
(e) for each year in respect of the 17th, 18th or 19th year of the patent	\$450.00	
(f) for the 20th year of the patent	\$550.00	
(g) for each year after the 20th year of the patent	\$650.00	
	\$950.00	
20. On payment of an additional fee for renewal under section 35(3) –		21
(a) not exceeding one month	\$50.00	
(b) each succeeding month (but not exceeding 6 months)	\$100.00	
21. On application to amend specification after grant	\$100.00	22
22. On notice of opposition to amendment of specification after grant	\$480.00	23
23. On application for the restoration of a patent	\$500.00	24
24. On payment of additional fee on the application for the restoration of a patent	\$300.00	25
25. On filing an offer to surrender a patent	\$70.00	26
26. On notice of opposition to offer to surrender a patent	\$250.00	27
27. On application to register or give notice of a transaction, instrument or event affecting the rights in a patent or an application for a patent – for each patent or application for a patent affected by such transaction, instrument or event	\$70.00	29
28. On filing a request, in respect of one or more patents or applications for patents, for –	\$12.00	28
(a) each alteration or correction of name		



(b) each alteration or correction of address (not being an address for service)

29. On filing a request, in respect of each patent or application for a patent, for –

(a) each alteration or correction of address for service

(b) each correction of an error in the register or any connected document

(c) each correction of an error of translation or transcript or clerical error or mistake in the specification of a patent, in an application for a patent or in any document filed in connection with a patent or such an application

30. On request for the furnishing of or access to miscellaneous information –

(a) fee for inspecting each file or document relating to a patent or patent application

(b) fee for furnishing each file or document

(c) fee for photocopying each page or part thereof of any other document by the staff of the Registry

(d) where the document is placed in the public search room

–

(i) fee for self-service photocopying of each page or part of the document using a stored-value card

(ii) fee for photocopying of each page or part thereof by the staff of the Registry

31. On request for certificate of the Registrar –

(a) by impressed stamp -

(i) for the first 20 sheets

\$18.00

(ii) for each additional sheet thereafter

\$0.30

(b) sealed and attached to the documents -

(i) for the first 20 sheets

\$30.00

(ii) for each additional sheet thereafter	\$0.30	
(c) in respect of a priority document under rule 17.1(b) of the Regulations under the Patent Cooperation Treaty	\$50.00	
(d) in respect of a certified copy of the international application for a patent under rule 124	\$28.00	
32. On application for entry of order of court in the register	\$10.00	32
33. On application by proprietor for entry to be made in the register to the effect that licences under the patent are to be available as of right	\$70.00	33
34. On application for settlement of terms of licence of right	\$380.00	34
35. On application under section 56(1) or section 56(3) for cancellation of entry in the register	\$70.00	35
36. On notice of opposition to an application under section 56(1) or 56(3) for cancellation of entry in the register	\$90.00	36
37. On reference to the Registrar of a dispute as to infringement	\$280.00	37
38. On application for declaration of non- infringement	\$280.00	38
39. On application under section 77 for the revocation of a patent	\$500.00	40
40. On request for re-examination of a patent in response to the Registrar's direction	\$900.00	41
41. On request for re-examination of a patent in response to the Registrar's direction	\$160.00	42
42. On payment of prescribed fee and request for publication of translation	\$70.00	43
43. On application to Registrar for an international application for a patent (Brunei Darussalam) to be treated as an application under the Order	\$160.00	44
44. On request for the exercise of the discretionary powers of the Registrar	\$100.00	48

45. On declaration of authorisation where agent appointed or in substitution for another	\$10.00 for each patent or application for patent	46
46. On payment of the advertisement fee upon receipt of the Registrar's request under rule 97(4)	\$18.00	47
47. On notice of opposition to the correction of an error, clerical error or mistake	\$100.00	48
48. On request for information relating to a patent or an application for a patent	\$24.00	49
49. On request for extension of each time or period under rule 114(4) - for each month or part of a month for which the extension is sought	\$200.00	50
50. On request for extension of each time or period under rule 114(6)	\$200.00	52
51. On payment of additional fee for extension of each time or period under rule 114(9) – for each month, or part of a month, for which the extension is granted	\$200.00	53
52. On request for extension of periods under sections 51 29(7) and 30(1)(a) –  (a) where the application is not an international application for a patent (Brunel Darussalam) that has entered the national phase in Brunei Darussalam under section 83(3)	\$1800.00	
(b) where the application is an international application for patent (Brunei Darussalam) that has entered the national phase in Brunei Darussalam under section 83(3)	Nil	
53. On payment of transmittal fee under rule 14 of the Regulations under the Patent Co-operation Treaty	\$150.00	54
54. On payment of fee under rule 123(6) in respect of a request under rule 26 bis.3(a) of the Regulations under the Patent Co-operation Treaty	\$250.00	-

55. On request for certificate authorising release of sample of micro-organism	\$15.00	55
56. On notice of intention to restrict availability of samples of micro-organisms to experts	\$15.00	56
57. On request for certificate authorising release of sample of micro-organism to an expert	\$15.00	57
58. On payment of renewal fee under section 55 or 56 –		58
(a) for each year in respect of the 5th, 6th or 7th year of the patent	\$80.00	
(b) for each year in respect of the 8th, 9th or 10th year of the patent	\$135.00	
(c) for each year in respect of the 11th, 12th or 13th year of the patent	\$175.00	
(d) for each year in respect of the 14th, 15th or 16th year of the patent	\$225.00	
(e) for each year in respect of the 17th, 18th or 19th year of the patent	\$275.00	
(f) for the 20th year of the patent	\$325.00	
(g) for each year after the 20th year of the patent	\$475.00	
59. On application to extend the term of a patent under section 36	\$950.00	59
60. On filing a request for a search and examination report 60 after grant under section 39 –		60
(a) where the Examiner is the Austrian Patent Office	\$2680.00	
(b) where the Examiner is the Danish Patent and Trademark Office	\$3100.00	
(c) where the Examiner is the Hungarian Patent Office	\$2680.00	
61. On filing one or more documents under section 26(7)(c) or (8) or 28(8)	-	61



62. On filing a declaration under rule 9(2) or a request under rule 9(3)	\$120.00	62
63. On filing a request under rule 10(2)	\$250.00	62
64. On filing any miscellaneous document or documents	-	99
65. For using the patent computer facilities in the public search room of the Registry		
(a) for every half hour or part thereof of log on 2 access using the patent search terminal	\$2.00	
(b) for each sheet of information printed	\$0.30	
66. Purchase of a copy of —		
(a) Patents Journal A	\$10.00	
(b) Patents Journal B	\$36.00	

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## **SECOND SCHEDULE**

### **DESCRIPTIONS OF FORMS**

<b><u>No.</u></b>	<b><u>Description of Form</u></b>	<b><u>Corresponding Form No.</u></b>
1	Certificate of Grant	Certificate Form 1
2	Certificate of Extension of Patent Term	Certificate Form 2
3	Request for the Grant of a Patent under section 25	Patents Form 1
4	Reference under section 20(1) or 48(1)	Patents Form 2
5	Counter statement	Patents Form 3
6	Application under section 20(5) or 48(3) for Authorisation by the Registrar	Patents Form 4
7	Request for Directions under section 22	Patents Form 5
8	Reference under section 23(5) or 48(5) to Determine the Question of a Licence	Patents Form 6
9	Application to Registrar under section 24(1) and/or 24(3)	Patents Form 7
10	Statement of Inventorship and of Right to the Grant of a Patent under section 24	Patents Form 8
11	Request for Early Publication under section 27(2)	Patents Form 9
12	Withdrawal of an Application for a Patent under section 27(1)	Patents Form 10
13	Request for a Search Report or Supplementary Search Report	Patents Form 11
14	Request for a Search and Examination Report	Patents Form 12
15	Furnishing of Prescribed Details	Patents Form 13
16	Furnishing of Prescribed Information	Patents Form 14
17	Notice of Intention to Rely on International Preliminary Report on Patentability under section 29(2)(e)(ii)	Patents Form 15
18	Request for an Examination Report	Patents Form 16
19	Request to Amend Application before Grant under section 31(2)	Patents Form 17



20	Response to Written Opinion under section 31 or 39	Patents Form 18
21	Payment of Fee for Grant of a Patent under section 30	Patents Form 19
22	Payment of Renewal Fee under section 35(2) or 56(2)	Patents Form 20
23	Payment of Additional Fee under section 35(3)	Patents Form 21
24	Application to Amend Specification after Grant under section 38	Patents Form 22
25	Notice of Opposition to Amendment of Specification after Grant under section 38 or 80	Patents Form 23
26	Application for Restoration of a Patent under section 40	Patents Form 24
27	Additional Fee on the Application for Restoration of a Patent under section 40	Patents Form 25
28	Offer to Surrender a Patent under section 41(1)	Patents Form 26
29	Notice of Opposition to Offer to Surrender a Patent under section 41(2)	Patents Form 27
30	Request for Alteration of Name, Address or Address for Service, or Correction of an Error, Clerical Error or Mistake under section 104	Patents Form 28
31	Application to Register or to Give Notice of a Transaction, Instrument or Event Affecting the Rights in a Patent or an Application for a Patent under section 44	Patents Form 29
32	Request for Miscellaneous Information under section 43 or 105	Patents Form 30
33	Request for Certificate of the Registrar under section 46	Patents Form 31
34	Application for Entry of Order of Court in the Register under section 44	Patents Form 32
35	Application for Entry to be Made in the Register to the effect that Licences under the Patent are to be available as of Right under section 55(1)	Patents Form 33
36	Application for Settlement of Terms of a Licence of Right under section 55(3)	Patents Form 34
37	Application under section 56(1) or (3) for Cancellation of Entry in the Register	Patents Form 35
38	Notice of Opposition to an Application under section 56(1) or (3) for Cancellation of Entry in the Register	Patents Form 36



39	Reference to the Registrar of a Dispute as to Infringement under section 65(3)	Patents Form 37
40	Application for Declaration of Non-Infringement under section 76	Patents Form 38
41	Application for Information on Corresponding Applications for a Patent	Patents Form 39
42	Application for Revocation of a Patent under section 77	Patents Form 40
43	Request for Re-Examination of a Patent in Response to direction of the Registrar under section 77	Patents Form 41
44	Payment of Fee for Entry into National Phase under section 83(3)	Patents Form 42
45	Payment of Prescribed Fee and Request for Publication of Translation under section 83(7)	Patents Form 43
46	Application to the Registrar for an International Application to be Treated as an Application under section 82 of the Order	Patents Form 44
47	Request for the Exercise of the Registrar's Discretionary Powers under section 89	Patents Form 45
48	Declaration of Authorisation where an Agent is Appointed or where One Agent is Substituted for Another	Patents Form 46
49	Additional Fee for the Advertisement of Proposed Correction under section 104	Patents Form 47
50	Notice of Opposition to the Correction of an Error, Clerical Error or Mistake under section 104	Patents Form 48
51	Request for Information Relating to a Patent or an Application for a Patent under section 105	Patents Form 49
52	Request for Extension of Time or Period under rule 114(4)	Patents Form 50
53	Request for Extension of Periods under sections 29 (7) and 30(1)(a)	Patents Form 51
54	Request for Extension of Time or Period under rule 114(6)	Patents Form 52
55	Additional Fee for Extension of Time or Period under rule 114(9)	Patents Form 53



56	Payment of Transmittal Fee under rule 14 of the Regulations under the Patent Co-Operation Treaty	Patents Form 54
57	Request for Certificate Authorising Release of Sample of Micro-Organism	Patents Form 55
58	Notice of Intention to Restrict Availability of Samples of Micro-Organisms to Experts	Patents Form 56
59	Request for Certificate Authorising Release of Sample of Micro-Organisms to an Expert	Patents Form 57
60	Payment of Renewal Fee pursuant to section 55(3)(d)	Patents Form 58
61	Request for an Extension of the Term of a Patent under section 36	Patents Form 59
62	Request for Search and Examination after Grant under section 39	Patents Form 60
63	Filing of Documents under section 26(7)(c) or (8) or 28(8)	Patents Form 61
64	Declaration under rule 9(2) or Request under rule 9(3) or 10(2)	Patents Form 62
65	Filing of Miscellaneous Document or Documents	Patents Form 99

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## **THIRD SCHEDULE**

### **SCALE OF COSTS**

#### **PART I**

##### **BASIC COST**

<i>Item</i>	<i>Matter</i>	<i>Amount</i>
1	Drawing and filing notice of opposition or application for revocation together with statement of case	\$200.00
2	Drawing and filing a counter-statement	\$150.00
3	Preparing and lodging evidence for a notice of opposition, an application for revocation or a counter-statement	\$200.00 - \$800.00
4	Perusing a notice of opposition, an application for revocation or a counter-statement (per folio)	\$2.00 per folio
5	Preparing for all interlocutory proceedings	\$25.00 - \$120.00
6	Attending all interlocutory proceedings	\$25.00 - \$50.00
7	Preparing for hearing	\$500.00 - \$1500.00
8	Attendance at hearing by patent agent without advocate or solicitor	\$100.00 per hour up to a maximum of \$450.00 per day
9	Attendance at hearing by patent agent with instructing advocate or solicitor	\$60.00 per hour up to a maximum of \$270.00 per day
10	Advocate or Solicitor fees	\$120.00 per hour up to a maximum of \$540.00 per day
11	Drawing bill of costs (per folio)	\$2.00 per folio
12	Attending taxation, and obtaining the Registrar's certificate or order	\$50.00 - \$120.00

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## **PART II**

### **ADDITIONAL COSTS**

1. A person who has paid a fee prescribed in these Rules in relation to proceedings before the Registrar shall be paid the amount of the fee.
2. A person attending proceedings before the Registrar shall be paid –
  - (a) a reasonable amount for expenses incurred for transport between the usual place of residence of the person and the place that he attends for that purpose; and
  - (b) if the person is required to be absent overnight from his usual place of residence, a reasonable amount as allowances up to a daily maximum of \$250 for meals and accommodation.
3. A person who, because of his professional, scientific or other special skill or knowledge, is summoned to appear before the Registrar as a witness shall be paid –
  - (a) if the person is remunerated in his occupation by wages, salary or fees, an amount equal to the amount of wages, salary or fees not paid to the person because of his attendance before the Registrar for that purpose, but such amount should not exceed \$150 per day; or
  - (b) in any other case, an amount of not less than \$100 but not more than \$150 for each day on which he so attends.

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## **FOURTH SCHEDULE**

### **MICRO-ORGANISMS**

#### **Applications.**

1. (1) The specification of an application for a patent, or of a patent, for an invention which requires for its performance the use of a micro-organism –

- (a) which is not available to the public at the date of filing of the application; and
- (b) which cannot be described in the specification in such a manner as to enable the invention to be performed by a person skilled in the art, shall, in relation to the micro-organism itself, be treated for the purposes of the Order as disclosing the invention in such a manner only if one of the conditions set out in subparagraph (2), is satisfied.

(2) The conditions referred to in sub-paragraph (1) are –

- (a) a condition that –
  - (i) not later than the date of filing of the application, a culture of the micro-organism has been deposited with any international depositary authority which is able to furnish a sample of the micro-organism; and
  - (ii) the name of the international depositary authority, the date when the culture was deposited and the accession number of the deposit are given in the specification of the application; and
- (b) a condition, in the case of an international application for a patent (Brunei Darussalam) which is treated, by virtue of section 85 as a patent under the Order, or, as the case may be, an application for a patent under the Order, that the corresponding provisions of the Implementing Regulations to the Patent Co-operation Treaty have been complied with, and where a new deposit is made under paragraph 4, a further condition that the applicant or proprietor makes a new deposit in accordance with that paragraph.

(3) Where the condition of sub-paragraph (2)(a)(ii) is not satisfied at the time the application for a patent is filed, it shall be satisfied –

- (a) within 16 months from –
  - (i) the declared priority date; or
  - (ii) the date of filing the application where there is no declared priority date;
- (b) where, on a request made by the applicant, the Registrar publishes the application before the end of the period prescribed for the purposes of section 27(1), before the



date of the request; or

- (c) where the Registrar sends notification to the applicant that, in accordance with section 105(4), he has received a request by any person for information and inspection of documents under subsection (1) of that section, before the end of one month after his sending to the applicant notification of his receipt of the request, whichever is the earliest.
- (4) The giving of the information specified in sub-paragraph (2)(a)(ii) shall constitute the unreserved and irrecoverable consent of the applicant to the international depositary authority with which a culture (including a deposit which is to be treated as having always been available by virtue of paragraph 4(2)) is from time to time deposited making the culture available on receipt of the Registrar's certificate authorising the release to the person who is named therein as a person to whom the culture may be made available and who makes a valid request therefor to the authority.

### **Availability of cultures.**

- 2. (1) Subject to paragraph 3, a request that the Registrar certify a person as a person to whom an international depositary authority may furnish a sample of a micro-organism –
  - (a) before publication of the application for a patent, to a person who has made a request under section 105(1) in the circumstances mentioned in paragraph 1(3)(c); and
  - (b) at any later time, to any person, shall be made on Patents Form 55 together with the form provided for by the Regulations under the Budapest Treaty.
- (2) The Registrar shall send a copy of any form lodged with him under subparagraph (1) and of his certificate authorising the release of the sample –
  - (a) to the applicant for, or proprietor of, the patent;
  - (b) to the international depositary authority; and (c) to the person making the request.
- (3) A request under sub-paragraph (1) shall comprise, on the part of the person to whom the request relates, undertakings for the benefit of the applicant for, or proprietor of, the patent –
  - (a) not to make the culture, or any culture derived from it, available to any other person; and
  - (b) not to use the culture, or any culture derived from it, otherwise than for experimental purposes relating to the subject matter of the invention, and –
    - (i) subject to sub-paragraph (iii), both undertakings shall have effect during any period before the application for a patent has been withdrawn, has been treated as having been abandoned, has been refused or is treated as having been refused (including any further period allowed under rule 110, 120(1) or (6) but excluding,



where an application is reinstated under either of those rules, the period before it is reinstated);

- (ii) if a patent is granted on the application, the undertaking set out in sub-paragraph (a) shall also have effect during any period for which the patent is in force and during the period of 6 months referred to in section 35(3); and
- (iii) the undertaking set out in sub-paragraph (b) shall not have effect after the date of publication in the journal of a notice that the patent has been granted, and, in this sub-paragraph, references to a culture derived from a deposited culture of a microorganism are references to a culture so derived which exhibits those characteristics of the deposited culture essential for the performance of the invention.

(4) For the purpose of enabling any act specified in section 59 to be done in relation to the culture for the services of the Government, the undertakings specified in subparagraph (3) –

- (a) shall not be required from any Government department or person authorised in writing by a Government department for the purposes of this paragraph; and
- (b) shall not have effect in relation to any such person who has already given them.

(5) An undertaking given pursuant to sub-paragraph (3) may be varied by way of derogation by agreement between the applicant or proprietor and the person by whom it is given.

(6) Where, in respect of a patent to which the undertaking set out in sub-paragraph (3)(a) has effect –

- (a) an entry is made in the register under section 55 to the effect that licences are to be available as of right; or
- (b) a compulsory licence is granted under section 57, that undertaking shall not have effect to the extent necessary for effect to be given to any such licence.

### **Availability of cultures to experts.**

3. (1) Subject to sub-paragraph (3), where, before the preparations for publication under section 27 of an application for a patent have been completed, the applicant gives notice to the Registrar on Patents Form 56 of his intention that a sample of the microorganism should be made available only to an expert, the provisions of this paragraph shall have effect.

(2) The Registrar –

- (a) shall, at the time of publication of the application under section 27, publish a notice in the journal that the provisions of this paragraph have effect; and
- (b) notwithstanding paragraph 2, shall not, until the patent is granted or the application has been withdrawn, has been treated as having been abandoned, has been refused or is



treated as having been refused, issue any certificate authorising release of a sample otherwise than under this paragraph.

(3) In the case of an international application for a patent (Brunei Darussalam), the applicant may, for the purpose set out in sub-paragraph (1), give notice in writing to the International Bureau under rule 13 bis 3 of the Regulations under the Patent Co-operation Treaty before the technical preparations for international publication of the application are complete of his intention that a sample of the micro-organism should be made available only to an expert and he shall be treated by the Registrar for the purposes of this paragraph as having complied with the conditions in sub-paragraph (1) and sub-paragraph (2)(a) shall not apply.

(4) Any person wishing to have a sample of the micro-organism made available ("the requester") –

(a) shall apply to the Registrar on Patents Form 57 together with the form provided for by the Regulations under the Patent Co-operation Treaty nominating the person ("the expert") to whom he wishes the sample to be made available; and

(b) shall at the same time file undertakings by the expert as set out in paragraph 2 (3) in accordance with the provisions of that paragraph.

(5) The Registrar shall send a copy of Patents Form 57 filed under sub-paragraph (4) to the applicant for the patent and shall specify the period within which the applicant may object, in accordance with sub-paragraph (6), to a sample of the micro-organism being available to the expert.

(6) Unless, within the period specified by the Registrar under sub-paragraph (5) (or within such longer period as the Registrar may, on application made to him within that period, allow), the applicant for the patent sends notice in writing to the Registrar that he objects to a sample of the micro-organism being made available to the expert and gives his reasons for his objection, the Registrar shall send a copy of any form lodged with him under sub-paragraph (4)(a) and of his certificate authorising the release of the sample –

(a) to the applicant for the patent;  
(b) to the international depositary authority concerned;  
(c) to the requester; and  
(d) to the expert.

(7) Where, in accordance with sub-paragraph (6), the applicant for the patent sends notice to the Registrar of his objection to the issue of a certificate in favour of the expert, the Registrar –

(a) shall decide, having regard to the knowledge, experience and technical qualifications of the expert and to any other factors he considers relevant, whether to issue his certificate in favour of the expert; and

(b) if he decides to authorise the release of the sample to the expert, shall send to the persons



referred to in sub-paragraph (6) a copy of any form lodged with him under subparagraph (4)(a) and of his certificate authorising the release of the sample to the expert.

(8) Before making a decision in accordance with sub-paragraph (7), the Registrar shall afford the applicant and the requester the opportunity of being heard.

(9) If the Registrar decides under sub-paragraph (7) not to issue his certificate in favour of the expert, the requester may, by notice in writing to the Registrar and the applicant, nominate another person as the expert for the purposes of this paragraph; and the Registrar shall give such directions as he may think fit with regard to the subsequent procedure.

(10) Nothing in this paragraph shall affect the rights under section 58 of any Government department or of any person authorised in writing by a Government department.

### New deposits.

4. (1) Where the international depositary authority with which a deposit or a new deposit of a culture has been made under this Schedule –

(a) notifies the applicant or proprietor that it –

(i) cannot satisfy a request made in accordance with paragraph 2(1) or 3(4); or

(ii) is not able lawfully, to satisfy such a request, for the culture to be made available;

(b) ceases temporarily or permanently to carry out the functions of an international depositary authority; or

(c) ceases for any reason to conduct its activities as an international depositary authority in an objective and impartial manner, subject to sub-paragraph (3), the applicant or proprietor may, unless the culture has been transferred to another international depositary authority which is able to make it available, make a new deposit of a culture of the micro-organism.

(2) For the purposes of paragraph 1 and this paragraph, the deposit shall be treated as always having been available if, within 3 months of the receipt of such notification or of the international depositary authority ceasing to perform the functions of an international depositary authority or to conduct its activities as such an authority in an objective and impartial manner, the applicant or proprietor –

(a) in a case where the deposit has not already been transferred, makes the new deposit;

(b) furnishes to the international depositary authority with which the new deposit is made a declaration that the culture so deposited is of the same microorganism as was the culture originally deposited; and



(c) requests amendment of the specification under section 31 or 38, as the case may be, so as to indicate the accession number of the transferred or new deposit and, where applicable, the name of the international depositary authority with which the deposit has been made.

(3) The new deposit referred to in sub-paragraph (1) –

(a) shall, subject to sub-paragraph (b), be made with the same international depositary authority as was the original deposit; or

(b) in the cases referred to in sub-paragraphs (1)(a)(ii), (b) and (c), shall be made with another international depositary authority which is able to satisfy the request.

### **Interpretation.**

5. In this Schedule –

"Budapest Treaty" means the Treaty on the International Recognition of the Deposit of Microorganisms for the purposes of Patent Procedure done at Budapest in 1977; "depositary institution" means an institution which, at all relevant times –

(a) carries out the functions of receiving, accepting and storing microorganisms and the furnishing of samples thereof; and

(b) conducts its affairs in so far as they relate to the carrying out of those functions in an objective and impartial manner;

"international depositary authority" means a depositary institution which has acquired the status of international depositary authority as provided in Article 7 of the Budapest Treaty.



## **FIFTH SCHEDULE**

### **REMUNERATION OF SCIENTIFIC ADVISERS**

1. A person appointed as a scientific adviser to assist the Registrar in proceedings under the Order and who attends the proceedings before the Registrar shall be paid –
  - (a) a reasonable amount for expenses incurred for transport between his usual place of residence and the place where the proceedings take place; and
  - (b) if the scientific adviser is required to be absent overnight from his usual place of residence, a reasonable amount as allowance for meals and accommodation up to a daily maximum of \$250.
2. A person appointed as a scientific adviser to assist the Registrar in proceedings under the Order shall, apart from the expenses and allowances referred to in paragraph 1, be paid an amount of not less than \$650 but not more than \$2,000 for each day or part thereof for which he hears the case or works on the report pursuant to an inquiry referred to him under rule 119(1)(b).
3. A person appointed as a scientific adviser to sit with the Registrar at the hearing of any proceedings may, apart from the expenses and allowances referred to in paragraph 1, be paid an amount not less than \$650 but not more than \$2,000 if he is subsequently not required to hear the proceedings with the Registrar.

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**REGISTRAR OF PATENT  
BRUNEI DARUSSALAM**

**PATENTS RULES [S 11/2013]**

**NEW PATENT APPLICATION**

[21] BN/N/2021/0064 [22] 21/06/2021

[54] **Stable Dispersant And Application Thereof In Preparing Copolymer Polyols**

[71] **WANHUA CHEMICAL GROUP CO., of Tianshan Rd YEDA Yantai, Shandong 264006, China**

[72] **1. LI, FUGUO  
2. LIU, BIN  
3. WU, XUNKUN  
4. QIN, CHENGQUN  
5. WU, XUNKUN  
6. LI, JING  
7. ZHENG, BING  
8. WANG, LUNPENG**

[74] **Messrs. PINTAS IP GROUP SDN BHD of MIA Management Services, Anggerek Desa Complex, Bandar Seri Begawan, BB3780, Brunei Darussalam**

[31][32][33]  
No. CN201811569144.3 Date: 21 December 2018 Country: China

[86] PCT/CN2018/123934

[87] WO/2020/124645

[51] C08F 283/00, C08G 18/08, C08G 18/32, C08G 18/40

[57] **Provided by the present invention are a stable dispersant and an application thereof in preparing copolymer polyols, the preparation method for the stable dispersant comprising: 1) contacting a polyol with a dianhydride compound for reaction so as to prepare an adduct; 2) performing a ring-opening addition reaction on the adduct obtained in step 1) and an epoxy compound to prepare a stable dispersant; the dianhydride compound does not contain a double bond that may copolymerize with an olefinically unsaturated monomer, while the epoxy compound contains a double bond that may copolymerize with an olefinically unsaturated monomer; the polyol is a polyester polyol and/or a polyether polyol, preferably being a polyether polyol. The stable dispersant obtained by means of the described preparation method has a multi-active site anchoring function, and is applied to the synthesis of copolymer polyols to obtain copolymer polyols having relatively uniform particle size.**

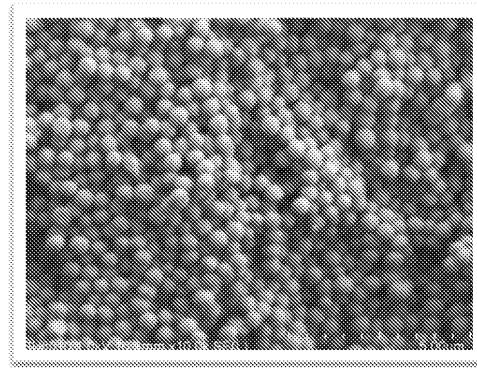


图 4

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[21] BN/N/2021/0077 [22] 01/09/2021

[54] A Casing Cleaning Tool

[71] DRILLABLE BRUSH CO GLOBAL LTD of 128 Stather Road, Burton Upon Stather, Scunthorpe Lincolnshire DN15 9DH, United Kingdom

[72] 1. ALLEN, ANTHONY

[74] Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[31][32][33]  
No. GB190547.6 Date: 17 April 2019 Country: United Kingdom

[86] PCT/GB2020/050792

[87] WO 2020/212686 A1

[51] E21B 37/02

[57] A well cleaning tool (100) comprising: an elongate body (102) having a longitudinal axis; a central fluid bore (120) aligned with the longitudinal axis; and a cleaning element (110) mounted on the elongate body (102) and being displaceable with respect to the elongate body (102) in a direction inclined to the longitudinal axis, wherein the cleaning element (102) comprises at least one fluid channel (150) in fluid communication with the central fluid bore (120) and extending through the cleaning element (110) in a direction inclined to the longitudinal axis.

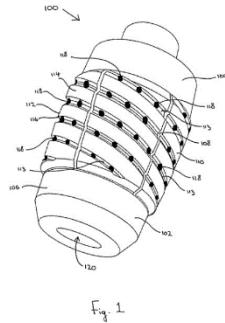


Fig. 1.

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[21] BN/N/2021/0115

[22] 02/12/2021

[54] **Low Cost And Sanitary Efficient System And Method That Creates Two Different Treatment Zones In Large Water Bodies To Facilitate Direct Contact Recreational Activities**

[71] **CRYSTAL LAGOONS TECHNOLOGIES, INC. of 2 Alhambra Plaza, Penthouse 1B, Coral Gables, FL 33134, United States of America**

[72] **1. FISCHMANN, FERNANDO BENJAMIN**

[74] **Messrs. AIP LAW of Unit 405A-410A, 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam**

[31][32][33]

No. US16/456,762 Date: 28 June 2019 Country: United States of America

[86] PCT/US2020/034909

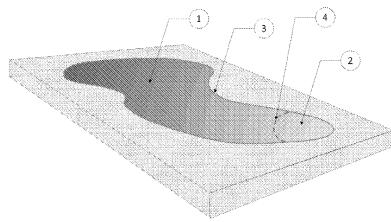
[87] WO/2020/263488

[51] C02F 1/32, C02F 1/52, C02F 1/54

[57] **The present invention discloses designating two different treatment zones in a large body of water. The first zone is a sedimentation zone. This zone is used mainly to provide treatment and settling of microorganisms and/or contaminants to inactivate and/or remove them from the water body. In this zone a disinfection method based on a CT index and applying an efficient amount of a flocculant composition may be used. The second zone is a dissipation zone. This zone is where main direct contact recreational water activities are intended to occur. In the dissipation zone a water flow is established that, along with the natural currents produced by winds and/or water temperature differences, generate a water dissipation pattern of the volume of water within the dissipation zone into the sedimentation zone. In addition, continuous disinfection of the water volume in the dissipation zone is preferably provided by**

**maintaining a permanent chlorine residual.**

Figure 1



[21] BN/N/2022/0009

[22]

## [54] A Device For Treating A Bottom-Hole Formation Wellbore

[71] LAMROCK CANADA INCORPORATED of 253147 BEARPAW ROAD NW  
CALGARY, ALBERTA T3L 2P5, Canada.

[72] 1. BRENNAN, JORDAN

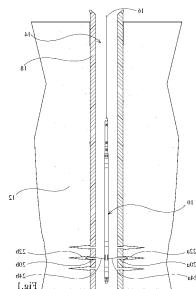
[74] Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[86] PCT/CA2019/050970

[87] WO/2021/007645

[51] E21B 43/27, E21B 43/22, E21B 43/28, E21B 43/285

[57] A device for treating a bottom-hole formation of a wellbore comprises a firing head and seal block assembly at a proximal end thereof and a bullnose assembly at a distal end thereof. A carrier tube extends between the firing head and seal block assembly and the bullnose assembly. The carrier tube contains a combustible chemical composition which generates hydrochloric acid gas or hydrofluoric acid gas or a combination thereof when combusted. A dispersion tube extends from the carrier tube. The dispersion tube has a lateral opening. The lateral opening may be a slot or an aperture. There is a charge wire electrically connecting the firing head and sealing block assembly to the combustible chemical composition.





[21] BN/N/2022/0010

[22] 12/01/2022

[54] Method Of Operating An Electric Power System, Electric Power System, And Computer Executable Code

[71] GRABTAXI HOLDINGS PTE. LTD. of 6 Shenton Way, #38-01 OUE Downtown, 068809, Singapore

[72] 1. WU, XIHU  
2. JIANG, LEI  
3. YU, PENGFEI  
4. ZHENG, YI  
5. ZHANG, HE

[74] Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[86] PCT/SG2020/050205

[87] WO/2021/201768

[51] H01M 10/44, H02J 7/00, B60L 58/22

[57] A method of operating an electric power system, which may include: determining a charge state of a first battery unit and a charge state of a second battery unit; determining a difference between the charge state of the first battery unit and the charge state of the second battery unit; and determining whether to enable discharging simultaneously of both the first battery unit and the second battery unit, or to enable discharging of one of the first and second battery units, based on the difference between the charge state of the first battery unit and the charge state of the second battery unit. At least one of the first and second battery units may be a swappable battery unit. The disclosure further relates to an electric power system and to a computer executable code including instructions for operating an electric power system.

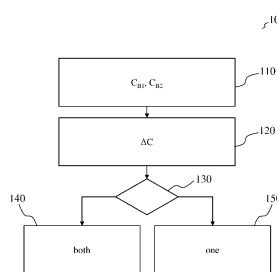


FIG. 1



[21] BN/N/2022/0011 [22] 12/01/2021

[54] Method And Device For Correcting Errors In Map Data

[71] GRABTAXI HOLDINGS PTE. LTD. of 6 Shenton Way, #38-01 OUE Downtown, 068809, Singapore

[72] 1. HOSSAIN, EVAN  
2. WU, HAO  
3. HUANG, XIAOCHENG  
4. WILSON, PADARN GEORGE  
5. WANG, GUANFENG

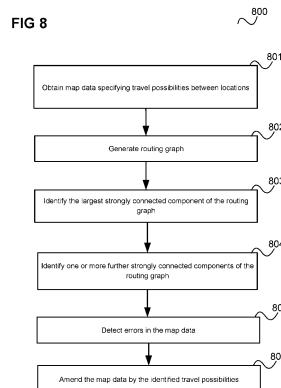
[74] Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[86] PCT/SG2020/050348

[87] WO/2021/262082

[51] G01C 21/00, G08G 1/123, G06F 16/901

[57] Aspects concern a method for correcting errors in map data comprising obtaining map data specifying travel possibilities between locations, generating a routing graph from the map data by assigning a vertex to each location and an edge from one vertex to another vertex if the map data specifies that it is possible to travel from the location to which the first vertex is assigned to the location to which the second vertex is assigned, identifying the largest strongly connected component of the routing graph, identifying one or more further strongly connected components of the routing graph, detecting errors in the map data by identifying travel possibilities that are not in the map data which lead to missing connections between the one or more further strongly connected components of the routing graph and the largest strongly connected component of the routing graph and amending the map data by the identified travel possibilities.



[21] BN/N/2022/0012

[22] 12/01/2022

[54] **Server And Method Of Determining An Advanced Booking Fee For An Advance Booking**

[71] **GRABTAXI HOLDINGS PTE. LTD. of 6 Shenton Way, #38-01 OUE Downtown, 068809, Singapore**

[72] **1. LI, WENTONG  
2. LIU, JIALIN  
3. WENG, RENRONG  
4. PHANG, CHUN KAI**

[74] **Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam**

[86] **PCT/SG2020/050283**

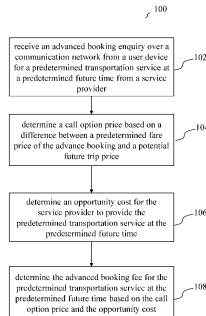
[87] **WO/2021/230808**

[51] **G06Q 30/02, G06Q 50/30**

[57] **A server configured to determine an advanced booking fee for an advance booking is disclosed. The server may include one or more processor(s) and a memory having instructions stored therein. The instructions when executed by the one or more processor(s), may cause the one or more processor(s) to receive an advanced booking enquiry over a communication network from a user device for a predetermined transportation service at a predetermined future time from a service provider. The one or more processor(s) may determine a call option price based on a difference between a predetermined fare price of the advance booking and a potential future trip price. The one or more processor(s) may determine an earning adjustment for the service provider to provide the predetermined transportation service at the predetermined**



future time. The one or more processor(s) may determine the advanced booking fee for the predetermined transportation service at the predetermined future time based on the call option price and the earning adjustment.



[21] BN/N/2022/0016

[22] 18/01/2022

[54] PARP1 INHIBITORS

[71] ASTRAZENECA AB of SE-151 85 Sodertalje, Sweden

[72] 1. PACKER, MARTIN, JOHN  
2. JOHANNES, JEFFREY, WALLACE  
3. HANDE, SUDHIR, MAHADEO  
4. DEGORCE, SEBASTIEN, LOUIS

[74] Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[31][32][33]

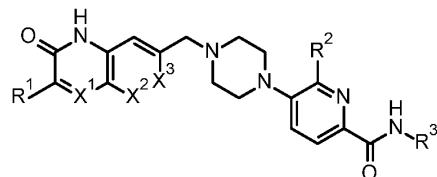
No. US62/876,065 Date: 19 July 2019 Country: United States of America

[86] PCT/EP2020/070306

[87] WO/2021/013735

[51] C07D 471/04, C07D 401/12, A61K 31/4375, A61P 35/00

[57] The present invention relates to azaquinolone compounds of Formula (I), and their use in medicine. Formula (I)



Formula (I)



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[21] BN/N/2022/0017 [22] 20/01/2022

[54] **Phosgene Synthesis And Brine Evaporation Electrolysis Integrated Treatment Process**

[71] **WANHUA CHEMICAL GROUP CO., LTD. of No. 17, Tianshan Rd, YEDA, Yantai, Shandong 264006, China**  
**WANHUA CHEMICAL (NINGBO) CO., LTD. of 39 Huandao Road (North), Wanhua Industrial Park Daxie, Development Zone Ningbo, Zhejiang 315812, China**

[72] 1. WEN, FANG  
2. ZHAO, DONGKE  
3. WU, XUEFENG  
4. MA, HAIYANG  
5. ZHANG, HONGKE  
6. ZHAO, NAN  
7. DONG, CHAO  
8. CHEN, LIANGJIN  
9. XU, DAN

[74] **Messrs. PINTAS IP GROUP SDN BHD, No.4, Spg 538-37-3, Kg Sg Akar, Jln Kebangsaan Lama, BC4115, Bandar Seri Begawan BE1318, Brunei Darussalam**

[31][32][33]  
No. CN201910813614.4 Date: 30 August 2019 Country: China

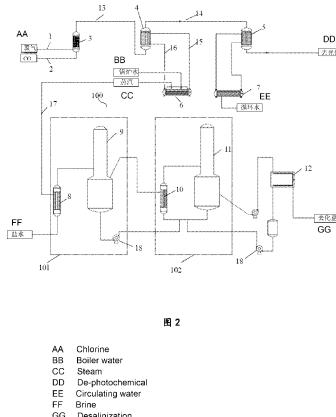
[86] PCT/CN2019/104073

[87] WO/2021/035768

[51] C01B 32/80, B01J 27/224, C02F 1/16

[57] The present invention provides a phosgene synthesis and brine evaporation electrolysis integrated treatment process, comprising the following steps: 1) introducing premixed CO and chlorine to a primary phosgene synthesis tower to be synthesized into phosgene, the primary phosgene synthesis tower being provided with a heat transfer agent circulation space, and the heat transfer agent circulating in the heat transfer agent circulation space; 2) introducing the heat transfer agent, which absorbs reaction heat, in the heat transfer agent circulation space to a steam generator, exchanging heat with water to generate superheated steam, and returning the heat-exchanged heat transfer agent to the heat transfer agent circulation space for further absorbing the reaction heat generated by phosgene synthesis; 3) supplying the superheated steam to a brine evaporation concentration device, the brine evaporation concentration device performing evaporation concentration on brine by using the superheated steam as a heat source; and 4) electrolyzing the strong brine or dry salt obtained in step 3) to

generate chlorine. The phosgene synthesis and brine evaporation electrolysis integrated treatment process can realize rational utilization of energy and resource utilization of effluent brine.



[21] BN/N/2022/0018

[22]

## [54] GIPR-Agonist Compounds

[71] ELI LILLY AND COMPANY of Lilly Corporate Center Indianapolis, Indiana, 46285,  
United States of America

[72] 1. ALSINA-FERNANDEZ, JORGE  
2. GEISER, ANDREA RENEE  
3. GUO, LILI  
4. KEYSER, SAMANTHA GRACE LYONS  
5. LEE, JOHN  
6. QU, HONGCHANG  
7. ROELL, WILLIAM CHRISTOPHER

[74] **Messrs. SPRUSON & FERGUSON (ASIA) PTE LTD. c/o AIP LAW of Unit Nos. 404A-410A, 4th Floor, Wisma Jaya Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam**

[31][32][33]

No. US62/881,685 Date: 01 August 2019 Country: United States of America

[86] PCT/US2020/043988

[87] WO/2021/021877

[51] A61K 38/16, A61P 3/10

[57] The present invention relates to compounds having activity at the human glucose-



dependent insulinotropic polypeptide (GIP) receptor. The present invention also relates to compounds having an extended duration of action at the GIP receptor. Such compounds may be useful in the treatment of diabetes, including type 2 diabetes mellitus ("T2DM"). Also, the compounds may be useful in the treatment of obesity.

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[21] BN/N/2022/0019 [22] 29/01/2022

[54] **Apparatus, System And Method For Charging A Battery**

[71] **MINE MOBILITY RESEARCH CO., LTD. of 89 AIA Capital Center Building 16th Floor, Ratchadaphisek Road, Dindeang, Bangkok 10400, Thailand**

[72] **1. AHUNAI, SOMPHOTE  
2. PAN, WEN WU  
3. ZHENG, CAO KAI  
4. LIU, GANG  
5. LI, JIAN HUA  
6. DENG, XIAO MENG  
7. PENG, ZHAO HUI**

[74] **Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam**

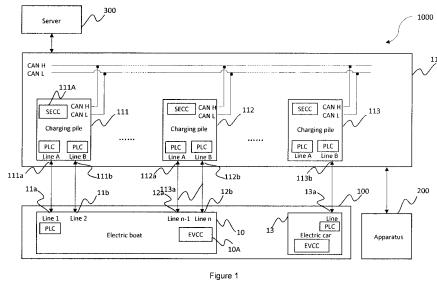
[31][32][33]  
No. CN201910711196.8 Date: 02 August 2019 Country: China

[86] PCT/TH2020/000014

[87] WO/2021/025629

[51] **B60L 53/60, H01M 10/44, H02J 7/00**

[57] **Disclosed is an apparatus for charging a battery comprising a first charging device configured to communicate with at least one second charging device, the first charging device and the at least one second charging device configured to charge the battery, and comprising a first controller configured to control the first charging device, wherein the first controller determines the number of the at least one second charging devices by communicating with a second controller.**



[21] BN/N/2022/0020

[22] 29/01/2022

## [54] Relaxin Analogs And Methods Of Using The Same

[71] **ELI LILLY AND COMPANY** of Lilly Corporate Center Indianapolis, Indiana, 46285,  
United States of America

[72] 1. LEE, STACEY LYNN  
2. VERDINO, PETRA  
3. WANG, XIAOJUN

[74] **Messrs. SPRUSON & FERGUSON (ASIA) PTE LTD. c/o AIP LAW of Unit Nos. 404A-410A, 4th Floor, Wisma Jaya Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam**

[31][32][33]

No. US62/880,968 Date: 31 July 2019 Country: United States of America

No. US62/970.005 Date: 04 February 2020 Country: United States of America

[86] PCT/US2020/044462

[87] WO/2021/022139

[51] C07K 14/64, C07K 16/00

[57] Relaxin (RLN) analogs are disclosed including modifications that increase half-life when compared to native, human RLN, that maintain selectivity to the RXFP1 receptor and that provide in vitro and in vivo stability for improved druggability properties and less immunogenicity. Pharmaceutical compositions also are disclosed that include one or more of the RLN analogs described herein in a pharmaceutically acceptable carrier. Methods of making and using the RLN analogs also are disclosed, especially for treating cardiovascular, pulmonary and/or renal conditions, diseases or disorders.



[21] BN/N/2022/0021 [22] 29/01/2022

[54] Energy Harvesting System And Method Of Manufacture

[71] KATRICK TECHNOLOGIES LIMITED of The Garment Factory, Suite 8, 10 Montrose Street, Glasgow G1 1RE, United Kingdom

[72] 1. VELAYUTHAM, KARTHIKEYAN

[74] Messrs. AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

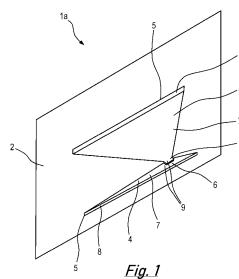
[31][32][33]  
No. GB1911017.0 Date: 01 August 2019 Country: United Kingdom  
No. GB2006829.2 Date: 05 May 2020 Country: United Kingdom

[86] PCT/GB2020/051765

[87] WO/2021/019215

[51] F01N 5/00, H01L 41/113, H02N 2/18

[57] A vibrational lens is disclosed. The vibrational lens comprises at least two focusing plates each having a proximal and distal end. The separation between the distal ends of the at least two focusing plates is less than the separation between the proximal ends of the at least two focusing plates. The vibrational lens transmits, converges and focuses vibrational energy from a source to an energy conversion means such as piezoelectric crystals. The vibrational lens may also comprise a bimetallic structure to convert thermal fluctuations into mechanical displacement. The vibrational lens is suitable for use in a vibrational and or thermal energy harvesting system. Advantageously, the vibrational lens improves the energy efficiency of, for example, an internal combustion engine whilst mitigating the need for vibrational damping mechanisms and or thermal insulation.





[54] **Pharmaceutical Composition Containing Antifungal Agent As Active Ingredient**

[71] **SATO PHARMACEUTICAL CO., LTD. of 5-27, Motoakasaka 1-chome, Minato-ku, Tokyo 107-0051, Japan**

[72] **1. ITO MASAHIRO  
2. MATSUI KIYOTAKA  
3. INUMA MASAMI**

[74] **Messrs. DREW & NAPIER LLC c/o AIP Law Of Unit Nos. 404a-410a, 4th Floor, Wisma Jaya Jalan Pemancha, Bandar Seri Begawan, Bs8811, Brunei Darussalam**

[31][32][33]

No. JP2019-148620 Date: 13 August 2019 Country: Japan

[86] **PCT/JP2020/030350**

[87] **WO/2021/029350**

[51] **A61P 31/10, A61K 47/08, A61K 47/10, A61K 47/12, A61K 47/14, A61K 47/22, A61K 47/32, A61K 47/34, A61K 31/4178**

[57] **The present invention provides a technique of allowing this pharmaceutical composition that contains luliconazole or the like and that is preferably for topical use, to contain luliconazole or the like at a high concentration and to inhibit precipitation of the same over time. The present invention uses, in combination, a polyethylene glycol represented by formula HOCH<sub>2</sub>(CH<sub>2</sub>OCH<sub>2</sub>)<sub>n</sub>CH<sub>2</sub>OH (in the formula, n represents an integer) and having an average molecular weight of 380-420, ethanol, benzyl alcohol, lactic acid, propylene carbonate, and acetone.**

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[21] **BN/N/2022/0023** [22] **09/02/2022**

[54] **Threaded Coupling For Pipe**

[71] **NIPPON STEEL CORPORATION of 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 1008071, Japan**  
**VALLOUREC OIL AND GAS FRANCE of 54 rue Anatole France, AULNOYE-AYMERIES 59620, France**

[72] **1. MARUTA, SATOSHI  
2. OKU, YOUSUKE**

[74] **Messrs. CCW PARTNERSHIP of Units 9 & 10, 2nd Floor, Block C, Kiarong Complex, Lebuhraya Sultan Hassanal Bolkiah, Bandar Seri Begawan BE1318, Brunei**

Darussalam

[31][32][33]

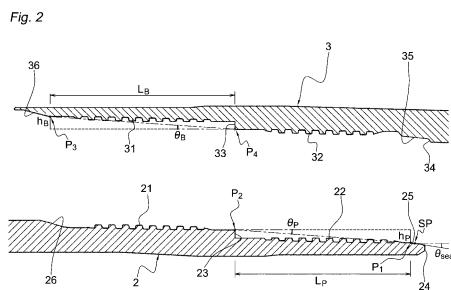
No. JP2020-005811 Date: 17 January 2020 Country: Japan

[86] PCT/JP2020/047836

[87] WO/2021/145162

[51] F16L 15/04

[57] The objective of the present invention is to prevent an inner-pressure seal surface provided near a pin tip portion from contacting an intermediate shoulder of a box and incurring damage during stubbing, in a threaded coupling for a pipe having a two-stage threaded structure that includes an intermediate shoulder. For this purpose, LP, LB, hP, and hB in figure 2 are configured so as to satisfy formulas (1) and (2). Note that  $\theta_{seal}$  is the gradient of a line connecting both ends of an inner-pressure pin seal surface in the axial direction. Preferably formula (3) also is satisfied. (1)  $L_P < L_B$  (2)  $h_B < h_P + (L_B - L_P) \times \tan \theta_{seal}$  (3)  $LSP < LB - LP$



[21] BN/N/2022/0025

[22] 25/03/2020

[54] Threaded Joint For Pipes

[71] NIPPON STEEL CORPORATION of 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 1008071, Japan  
VALLOUREC OIL AND GAS FRANCE of 54 rue Anatole France, AULNOYE-AYMERIES 59620, France

[72] 1. OKU, YOUSUKE  
2. MARUTA, SATOSHI

[74] Messrs. CCW PARTNERSHIP of Units 9 & 10, 2nd Floor, Block C, Kiarong Complex, Lebuhraya Sultan Hassanal Bolkiah, Bandar Seri Begawan BE1318, Brunei Darussalam



[31][32][33]

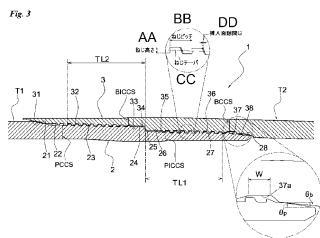
No. JP2020-005810 Date: 17 January 2020 Country: Japan

[86] PCT/JP2020/047835

[87] WO/2021/145161

[51] F16L 15/04

[57] The purpose of the present invention is to further improve compression resistance performance in a threaded joint for a pipe having a two-stage threaded structure including intermediate shoulder surfaces. To achieve this purpose, an insertion surface gap that is 0.15 mm or less in size is formed between an insertion surface of a male thread including an internal thread section 27 and an external thread section 23 and an insertion surface of a female thread including an internal thread section 36 and an external thread section 32 when the fastening of a pin 2 and a box 3 is completed, whereby contact between the insertion surfaces of the male and female threads begins before a rotation angle  $\theta$  of longitudinal cross-sectional shapes of intermediate shoulder surfaces 25, 34 begins to increase rapidly, and the accumulation of damage to the intermediate shoulder surfaces 25, 34 is thereby minimized.



AA Thread height  
BB Thread pitch  
CC Thread taper  
DD Insertion surface gap G

[21] BN/N/2022/0027

[22] 10/02/2022

[54] Interleukin-2 Muteins For The Expansion Of T-Regulatory Cells

[71] AMGEN INC. of One Amgen Center Drive Thousand Oaks, California 91320-1799  
United States of America

[72] 1. BATES, DARREN L.  
2. SOHN, SUE J.

3. CATTERALL, HANNAH  
4. WANG, ZHULUN

[74] Messrs. SPRUSON & FERGUSON (ASIA) PTE LTD. c/o AIP Law of Unit Nos. 404A-



410A, 4th Floor, Wisma Jaya Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[31][32][33]

No. US62/886,283 Date: 13 August 2019 Country: United States of America

[86] PCT/US2020/046202

[87] WO/2021/030602

[51] C07K 14/55, A61K 38/20, A61P 3/10, A61P 19/02, A61P 29/00, A61P 37/06

[57] Provided herein are IL-2 muteins and IL-2 mutein Fc fusion molecules that preferentially expand and activate cells and are amenable to large scale production. Also provided herein are methods of making and using the compositions of the present invention.

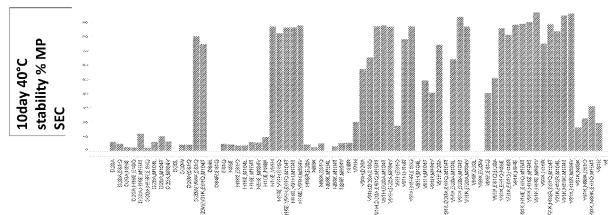


Figure 1

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[21] BN/N/2022/0028

[22] 10/02/2022

[54] Drug Delivery System For The Delivery Of Antiviral Agents

[71] MERCK SHARP & DOHME CORP. of 126 East Lincoln Avenue Rahway, New Jersey 07065-0907, United States of America

[72] 1. FORSTER, SETH P.  
2. BARRETT, STEPHANIE ELIZABETH  
3. TELLER, RYAN S.  
4. GILES, MORGAN B.  
5. KOYNOV, ATHANAS

[74] Messrs. SPRUSON & FERGUSON PTE LTD of AIP Law, Unit Nos. 404A-410A, 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan BS8811, Brunei Darussalam

[31][32][33]

No. US62/885,968 Date: 13 August 2019 Country: United States of America

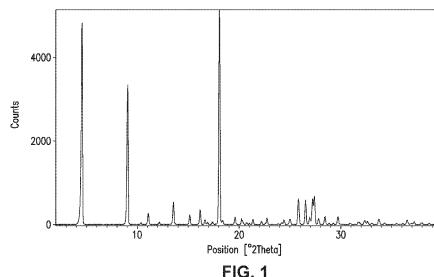


[86] PCT/US2020/045693

[87] WO/2021/030306

[51] A61K 31/436, A61K 31/4375, A61K 9/00

[57] This invention relates to novel implant drug delivery systems for long-acting delivery of antiviral drugs. These compositions are useful for the treatment or prevention of human immunodeficiency virus (HIV) infection.



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[21] BN/N/2022/0029 [22] 16/02/2022

[54] Antimalarial Agents

[71] MERCK SHARP & DOHME CORP. of 126 East Lincoln Avenue Rahway, New Jersey 07065-0907, United States of America  
THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH of 1G Royal Parade, Parkville, Victoria 3052, Australia  
MSD R&D (CHINA) CO., LTD. of L2-13, No. 21, Rongda Road, Chaoyang District, Beijing 100020, China

[72] 1. MCCAULEY, JOHN A.  
2. COWMAN, ALAN F.  
3. DE LERA RUIZ, MANUEL  
4. FAVUZZA, PAOLA  
5. GUO, ZHUYAN  
6. HU, BIN  
7. KELLY III, MICHAEL J.  
8. LEI, ZHIYU  
9. OLSEN, DAVID B.  
10. SLEEB, BRAD  
11. THOMPSON, JENNIFER K.  
12. TRIGLIA, TONY  
13. ZHAN, DONGMEI  
14. ZHANG, CAILING



## 15. ZHAO, LIANYUN

[74] Messrs. SPRUSON & FERGUSON PTE LTD of AIP Law, Unit Nos. 404A-410A, 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan BS8811, Brunei Darussalam

[31][32][33]

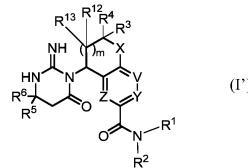
No. CN2019/100781 Date: 15 August 2019 Country: China

[86] PCT/CN2020/103178

[87] WO/2021/027502

[51] C07D 239/22, C07D 405/04, C07D 405/14, A61K 31/513, A61P 33/06

[57] Methods of treating malaria comprising administration of compounds of Formula (I') or a pharmaceutically acceptable salt thereof, to a subject in need thereof, wherein the variables are as defined herein. It also provides uses of the compounds of Formula (I), as defined herein, for inhibiting plasmeprin X, plasmeprin IX or plasmeprin X and IX activity, for treating a Plasmodium infection, and for treating malaria. Also provided are methods of treatment further comprising administration of one or more additional anti-malarial compounds.



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[21] BN/N/2022/0030 [22] 17/02/2022

[54] Pyrazolo[3,4-B]Pyrazine Shp2 Phosphatase Inhibitors

[71] TAIHO PHARMACEUTICAL CO., LTD. of 1-27, Kandanishiki-cho Chiyoda-ku, Tokyo 1018444, Japan  
OTSUKA PHARMACEUTICAL CO., LTD of 2-9, Kanda Tsukasa-machi Chiyoda-ku, Tokyo 1018535, Japan

[72] 1. NAKAMURA, YUKITAKA  
2. ASAKURA, SATORU  
3. ASANO, MAKOTO  
4. SORIMACHI, HIROSHI

[74] Messrs. SPRUSON & FERGUSON PTE LTD of AIP Law, Unit Nos. 404A-410A, 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan BS8811, Brunei



**Darussalam**

[31][32][33]

No. GB1911928.8 Date: 12 November 2019 Country: United Kingdom

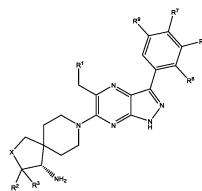
[86] PCT/IB2020/057815

[87] WO/2021/033153

[51] C07D 487/04, A61P 35/00, A61K 31/4985

[57] The invention provides new pyrazine derivatives of formula (I): or a tautomer or a solvate or a pharmaceutically acceptable salt thereof, wherein the substituents are as defined herein. The invention also provides pharmaceutical compositions comprising said compounds and to the use of said compounds in the treatment of diseases, e.g. cancer.

formula (I):



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[21] BN/N/2022/0031

[22] 19/02/2022

[54] **Hydraulic Workover Unit For Live Well Workover**

[71] **HALLIBURTON ENERGY SERVICES, INC. of 3000 N. SAM HOUSTON PARKWAY E., HOUSTON, TEXAS 77032, United States of America**

[72] 1. TIDWELL, MARK  
2. LAYE, JADE O.  
3. BORLAND, HAROLD  
4. RAJ, VINU  
5. BROWN, RANDALL C.  
6. EDWARDS, GARY  
7. HERDA, ALAN  
8. SUAREZ, VERA  
9. HALBUR, ZACHARY  
10. TU, EVERETT UY  
11. BRYSON, ALAN C  
12. FITE, BENJAMIN  
13. RODDY, CRAIG

14. WUSTENBERG, JOHN  
15. RICHARDSON, SCOTT  
16. KRUEGER, TENLEY  
17. ROONEY, THOMAS

[74] Messrs. HENRY GOH & CO. SDN. BHD., c/o AIP LAW of Unit 405A-410A 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[31][32][33]

No. US16/681,070 Date: 12 November 2019 Country: United States of America

[86] PCT/US2019/060908

[87] WO/2021/096490

[51] E21B 33/06, E21B 19/08

[57] A workover unit for lowering an irregularly shaped production string into a live well includes a traveling assembly and stationary assembly movable relative to each other. The traveling assembly may include a traveling static annular BOP configured to seal around the production string during the lowering. The traveling assembly may 10 include a reciprocating riser connected to the traveling annular BOP. The traveling assembly may include traveling slips configured to grip the production string during the lowering. The stationary assembly may include a dynamic BOP configured to seal around the reciprocating riser during the lowering. The stationary assembly may include a reciprocating jack configured to lower the traveling assembly. The stationary assembly 15 may include a lower static annular BOP configured to seal around the production string when the traveling assembly is moved relative to the production string

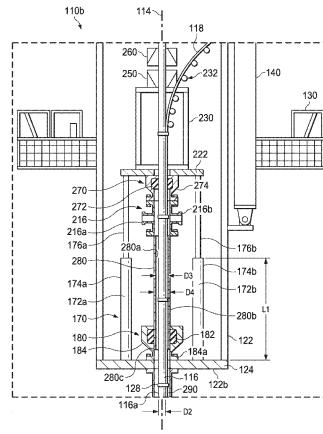


Fig. 4

[21] BN/N/2022/0032

[22]



[54] Salt

[71] NIPPON SHINYAKU CO., LTD. of 14, Kisshoin Nishinoshio Monguchicho, Minami-Ku, Kyoto - Shi, Kyoto 6018550, Japan

[72] 1. KOKUBO, YASUSHI  
2. YAMAMOTO, TOSHITAKA  
3. NAKAMICHI, KOJI  
4. CROCCO, DOMENICO

[74] Messrs. MARKS & CLERK SINGAPORE LLP c/o AIP LAW of Unit Nos. 404A-410A, 4th Floor, Wisma Jaya, Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam

[31][32][33]

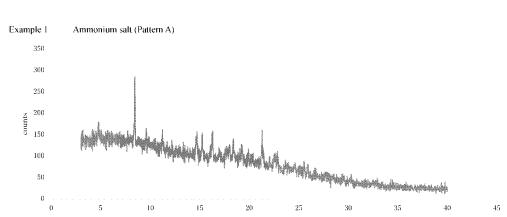
No. JP2019-149945 Date: 19 August 2019 Country: Japan

[86] PCT/JP2020/031204

[87] WO/2021/033702

[51] C07D 241/20, A61K 31/4965, A61P 7/02, A61P 9/12, A61P 37/06

[57] The present invention relates to a novel salt of 2-(4-((5,6-diphenylpyrazin-2-yl)(isopropyl)amino)butoxy)acetic acid (hereinafter referred to as "Compound B") and a crystal of the salt thereof.



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[21] BN/N/2022/0033

[22] 24/02/2022

[54] Pyrazole Compounds, Formulations Thereof, And A Method For Using The Compounds And/Or Formulations

[71] RIGEL PHARMACEUTICALS, INC. of 1180 Veterans Boulevard, South San Francisco, California 94080, United States of America

[72] 1. CHOU, LU  
2. DUAN, MATT



3. DARWISH, IHAB
4. SHAW, SIMON
5. BHAMIDIPATI, SOMASEKHAR
6. TAYLOR, VANESSA
7. CHEN, YAN
8. FAN, DAZHONG
9. LUO, ZHUSHOU

[74] **Messrs. AIP LAW of Unit Nos. 404A-410A, 4th Floor, Wisma Jaya Jalan Pemancha, Bandar Seri Begawan, BS8811, Brunei Darussalam**

[31][32][33]

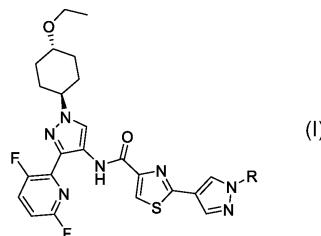
No. US62/894,547 Date: 30 August 2019 Country: United States of America

[86] PCT/US2020/048528

[87] WO/2021/041898

[51] C07D 417/14, C07C 59/255, A61P 29/00, A61K 31/4439

[57] Disclosed herein are embodiments of a pyrazole compound according to formula (I). Compositions comprising the compound, and a method for making the composition also are disclosed. The composition may comprise a carrier, such as a polymer and/or the composition may be a spray-dried formulation. Also disclosed is a method for using the compound and/or composition. The compound and/or composition may be useful to inhibit an IRAK protein and/or to ameliorate, treat and/or prevent an IRAK-associated disease or condition in a subject.



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[21] BN/N/2022/0034 [22] 26/02/2022

[54] Screw Joint For Pipe

[71] NIPPON STEEL CORPORATION of 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 1008071, Japan  
VALLOUREC OIL AND GAS FRANCE of 54 rue Anatole France, AULNOYE-AYMERIES 59620, France



[72] 1. MARUTA, SATOSHI  
2. OKU, YOUSUKE  
3. MARTIN, PIERRE  
4. DALY, DALY

[74] Messrs. CCW PARTNERSHIP of Units 9 & 10, 2nd Floor, Block C, Kiarong Complex, Lebuhraya Sultan Hassanal Bolkiah, Bandar Seri Begawan BE1318, Brunei Darussalam

[31][32][33]

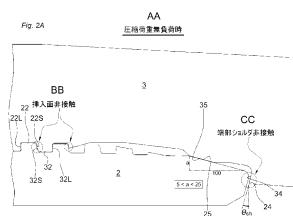
No. JP2020-005809 Date: 17 January 2019 Country: Japan

[86] PCT/JP2020/047837

[87] WO/2021/145163

[51] F16L 15/04

[57] The purpose of the present invention is to improve the compression resistance performance in a screw joint for a pipe in a situation in which a combined load is repeatedly applied, the screw joint having an intermediate shoulder surface that functions as a torque shoulder in the middle of a two-stage screw. As a distance LB between an intermediate shoulder surface 33 and an end shoulder surface 34 of a box 3 before fastening becomes larger than a distance LP between an intermediate shoulder surface 23 and an end shoulder surface 24 of a pin 2 before fastening, the intermediate shoulder surfaces 23, 33 are strongly pressed against each other to function as the torque shoulder, but the end shoulder surfaces 24, 34 are uncontacted or lightly contacted, at the time of completion of the fastening. When a certain magnitude of compressive load is applied to the pin 2 and the box 3 in a fastened state, the difference (LB-LP) between the axial distances is determined so that the pin 2 and the box 3 are slightly compressed in an axial direction by the compressive load, and the end shoulder surfaces 24 and 34 are in pressure contact with each other to bear a portion of the compressive load.



AA: When there is no compressive load  
BB: Non-contact of insertion surface  
CC: Non-contact of end shoulder

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**REGISTRAR OF PATENT  
BRUNEI DARUSSALAM**

**PATENTS RULES [S 11/2013]**

**PATENT RENEWAL APPLICATION**

**Patent No.:** RE/R/2016/0023

**Date of Grant:** 26 June, 2015

**Annuity:** 7<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** ELI LILLY AND COMPANY

**Title of Invention:** CGRP Antibodies

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**Patent No.:** RE/R/2017/0029

**Date of Grant:** 06 July, 2017

**Annuity:** 6<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** EISAI R&D MANAGEMENT CO., LTD.

**Title of Invention:** Liposome Composition

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**Patent No.:** BN/N/2014/0081

**Date of Grant:** 13 March, 2013

**Annuity:** 10<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** ECOLAB USA INC.

**Title of Invention:** Use Of Peracetic Acid/Hydrogen Peroxide And Peroxide-Reducing Agents For Treatment Of Drilling Fluids, Frac Fluids, Flowback Water And Disposal Water

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**Patent No.:** BN/N/2015/0106

**Date of Grant:** 05 March, 2014

**Annuity:** 9<sup>th</sup> Year



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**Applicant(s) / Proprietor(s):** ASTRAZENECA AB  
**Title of Invention:** Quinazoline Inhibitors Of Activating Mutant Forms Of Epidermal Growth Factor Receptor

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**Patent No.:** RE/R/2012/0059  
**Date of Grant:** 26 March, 2008  
**Annuity:** 15<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** GILEAD PHARMASSET LLC  
**Title of Invention:** Nucleoside Phosphoramidate Prodrugs

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**Patent No.:** RE/R/2016/0007  
**Date of Grant:** 11 March, 2015  
**Annuity:** 8<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** REGENERON PHARMACEUTICALS, INC.  
**Title of Invention:** High Affinity Human Antibodies To PCSK9

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**Patent No.:** RE/R/2017/0018  
**Date of Grant:** 01 March, 2017  
**Annuity:** 6<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** ASTRAZENECA AB  
**Title of Invention:** Compounds And Their Use As Base Inhibitors

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**Patent No.:** RE/R/2018/0011  
**Date of Grant:** 08 March, 2017  
**Annuity:** 6<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** BIOGEN MA INC.



**Title of Invention:** Novel Fused Pyridine Compounds As Casein Kinase Inhibitors

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**Patent No.:** RP/R/2003/0030

**Date of Grant:** 26 March, 2003

**Annuity:** 20<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** SHELL INTERNATIONALE RESEARCH  
MAATSCHAPPIJ B.V

**Title of Invention:** Deformable Liner Tube

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**Patent No.:** RP/R/2007/0001

**Date of Grant:** 02 December, 1999

**Annuity:** 19<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** ASTRAZENECA AB

**Title of Invention:** Novel Triazolo(4,5-D)Pyrimidine Compounds

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**Patent No.:** RP/R/2011/0023

**Date of Grant:** 29 March, 2001

**Annuity:** 13<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** SHELL INTERNATIONALE RESEARCH  
MAATSCHAPPIJ B. V

**Title of Invention:** Method Of Joining Metal Oilfield Tubulars And Well  
Provided Therewith

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**Patent No.:** BN/N/2014/0075

**Date of Grant:** 09 March, 2017

**Annuity:** 10<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** INNOVATA BIOMED LIMITED



**Title of Invention:** Improvements Relating To Medicament Delivery Devices

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**Patent No.:** RE/R/2015/0004

**Date of Grant:** 22 January, 2014

**Annuity:** 9<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** NEKTAR THERAPEUTICS

**Title of Invention:** Monodisperse PEGylated naloxol compositions

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**Patent No.:** RP/R/2011/0042

**Date of Grant:** 27 February, 2009

**Annuity:** 14<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG

**Title of Invention:** 8-[3-,Amino-Piperidin-1-Yl]-Xanthines, The Preparation Thereof And Their Use As Pharmaceutical Compositions

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**Patent No.:** RP/R/2011/0052

**Date of Grant:** 31 December, 2008

**Annuity:** 14<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** ELI LILLY AND COMPANY

**Title of Invention:** Morpholine Derivatives As Norepinephrine Reuptake Inhibitors

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**Patent No.:** RE/R/2015/0061

**Date of Grant:** 31 December, 2014

**Annuity:** 8<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** PURDUE PHARMA L.P.

**Title of Invention:** Tamper Resistant Oral Pharmaceutical Dosage Forms



## Comprising An Opioid Analgesic

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**Patent No.:** BN/N/2017/0041  
**Date of Grant:** 16 December, 2015  
**Annuity:** 7<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** NIPPON STEEL & SUMITOMO METAL CORPORATION  
VALLOUREC OIL AND GAS FRANCE  
**Title of Invention:** Threaded Connection

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**Patent No.:** RE/R/2017/0005  
**Date of Grant:** 29 January, 2016  
**Annuity:** 6<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** LABORATORIOS DEL DR. ESTEVE, S.A  
**Title of Invention:** Co-Crystals Of Tramadol And Coxibs

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**Patent No.:** RE/R/2017/0005  
**Date of Grant:** 29 January, 2016  
**Annuity:** 7<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** LABORATORIOS DEL DR. ESTEVE, S.A  
**Title of Invention:** Co-Crystals Of Tramadol And Coxibs

---

**Patent No.:** BN/N/2016/0052  
**Date of Grant:** 29 January, 2014  
**Annuity:** 9<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** JAPAN PALLET RENTAL CORPORATION  
**Title of Invention:** Distribution Container Management System, Distribution Container Management Method, And Distribution



## Container Management Program

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<b>Patent No.:</b>	<b>RE/R/2016/0031</b>
<b>Date of Grant:</b>	<b>16 December, 2015</b>
<b>Annuity:</b>	<b>7<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>MERCK SHARP &amp; DOHME CORP.</b>
<b>Title of Invention:</b>	<b>Iminothiadiazine Dioxide Compounds As Bace Inhibitors, Compositions, And Their Use</b>

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<b>Patent No.:</b>	<b>BN/N/2015/0047</b>
<b>Date of Grant:</b>	<b>20 February, 2013</b>
<b>Annuity:</b>	<b>10<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>HALLIBURTON ENERGY SERVICES, INC.</b>
<b>Title of Invention:</b>	<b>Securing Connections In Alternate Path Well Screens</b>

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<b>Patent No.:</b>	<b>BN/N/2015/0085</b>
<b>Date of Grant:</b>	<b>06 February, 2014</b>
<b>Annuity:</b>	<b>9<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>A.MENARINI ASIA-PACIFIC HOLDINGS PTE LTD</b>
<b>Title of Invention:</b>	<b>Pharmaceutical Compositions Containing Dexketoprofen And Tramadol</b>

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<b>Patent No.:</b>	<b>BN/N/2015/0108</b>
<b>Date of Grant:</b>	<b>28 March, 2014</b>
<b>Annuity:</b>	<b>9<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>INTERNATIONAL INSTITUTE OF CANCER IMMUNOLOGY, INC. SUMITOMO DAINIPPON PHARMA CO., LTD.</b>



**Title of Invention:** WT1-Antigen Peptide Conjugate Vaccine

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**Patent No.:** BN/N/2016/0026

**Date of Grant:** 09 February, 2015

**Annuity:** 8<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** OPULENT ELECTRONICS INTERNATIONAL PTE LTD

**Title of Invention:** Device And Method For Providing Regulated Current To An Electrical Load

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**Patent No.:** BN/N/2019/0038

**Date of Grant:** 25 September, 2017

**Annuity:** 5<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** MERCK SHARP & DOHME CORP.

**Title of Invention:** Chromane, Isochromane And Dihydroisobenzofuran Derivatives As MGLUR2-Negative Allosteric Modulators, Compositions, And Their Use

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**Patent No.:** RE/R/2016/0003

**Date of Grant:** 10 February, 2015

**Annuity:** 8<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** ESTEVE PHARMACEUTICALS, S.A.

**Title of Invention:** Compositions Comprising Tramadol And Celecoxib In The Treatment Of Pain

---

**Patent No.:** RE/R/2017/0006

**Date of Grant:** 15 February, 2016

**Annuity:** 7<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** MERCK SHARP & DOHME CORP.



**Title of Invention:** Crystalline Form Of R-3-(4-(2-Methyltetrazol-5-Yl)Pyridin-5-Yl)-3-Fluorophenyl)-5-Hydroxymethyl Oxazolidin-2-One Dihydrogen Phosphate

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**Patent No.:** BN/N/2016/0056

**Date of Grant:** 10 February, 2015

**Annuity:** 8<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** SKY URBAN IP PTE LTD

**Title of Invention:** Rotatable Rack System

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**Patent No.:** BN/N/2018/0072

**Date of Grant:** 02 February, 2017

**Annuity:** 6<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** AMGEN RESEARCH (MUNICH) GMBH

**Title of Invention:** PSMA And CD3 Bispecific T Cell Engaging Antibody Constructs

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**Patent No.:** RE/R/2014/0031

**Date of Grant:** 24 February, 2014

**Annuity:** 9<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** ELI LILLY AND COMPANY

**Title of Invention:** Protein Kinase Inhibitors

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**Patent No.:** RE/R/2015/0049

**Date of Grant:** 16 February, 2015

**Annuity:** 8<sup>th</sup> Year

**Applicant(s) / Proprietor(s):** CRYSTAL LAGOONS (CURACAO) B.V.

**Title of Invention:** Method And System For Treating Water Used For



### Industrial Purposes

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<b>Patent No.:</b>	<b>RE/R/2016/0013</b>
<b>Date of Grant:</b>	<b>29 February, 2016</b>
<b>Annuity:</b>	<b>7<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>DOLBY LABORATORIES LICENSING CORPORATION</b>
<b>Title of Invention:</b>	<b>System For 3d Image Projections And Viewing</b>

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<b>Patent No.:</b>	<b>RP/R/2006/0010</b>
<b>Date of Grant:</b>	<b>22 February, 2006</b>
<b>Annuity:</b>	<b>17<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>MSD ITALIA S.R.L.</b>
<b>Title of Invention:</b>	<b>N-Substituted Hydroxypyrimidinone Carboxamide Inhibitors Of HIV Integrase</b>

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<b>Patent No.:</b>	<b>BN/N/2018/0078</b>
<b>Date of Grant:</b>	<b>02 March, 2017</b>
<b>Annuity:</b>	<b>5<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.</b>
<b>Title of Invention:</b>	<b>Chemically-Selective Imager For Imaging Fluid Of A Subsurface Formation And Method Of Using Same</b>

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<b>Patent No.:</b>	<b>BN/N/2018/0081</b>
<b>Date of Grant:</b>	<b>23 March, 2016</b>
<b>Annuity:</b>	<b>7<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>NICHIBAN CO. LTD.</b>
<b>Title of Invention:</b>	<b>Stamp Type Coating-Film Transfer Tool</b>



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<b>Patent No.:</b>	<b>RE/R/2012/0036</b>
<b>Date of Grant:</b>	<b>29 March, 2011</b>
<b>Annuity:</b>	<b>12<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>HIGH SEALED AND COUPLED "HSC" FZCO</b>
<b>Title of Invention:</b>	<b>An Improved Seal Between Pipes</b>

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<b>Patent No.:</b>	<b>RE/R/2012/0055</b>
<b>Date of Grant:</b>	<b>13 March, 2003</b>
<b>Annuity:</b>	<b>20<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>ARRAY BIOPHARMA, INC ASTRAZENECA ABS.A.</b>
<b>Title of Invention:</b>	<b>N3 Alkylated Benzimidazole Derivatives As Mek Inhibitors</b>

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<b>Patent No.:</b>	<b>RE/R/2015/0038</b>
<b>Date of Grant:</b>	<b>10 March, 2022</b>
<b>Annuity:</b>	<b>8<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>ALMIRALL S.A.</b>
<b>Title of Invention:</b>	<b>Combinations Comprising Antimuscarinic Agents And Beta-Adrenergic Agonists</b>

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<b>Patent No.:</b>	<b>RE/R/2016/0002</b>
<b>Date of Grant:</b>	<b>11 March, 2015</b>
<b>Annuity:</b>	<b>8<sup>th</sup> Year</b>
<b>Applicant(s) / Proprietor(s):</b>	<b>MERCK CANADA INC.</b>
<b>Title of Invention:</b>	<b>Non-Nucleoside Reverse Transcriptase Inhibitors</b>

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**Patent No.:** RE/R/2016/0035  
**Date of Grant:** 02 March, 2016  
**Annuity:** 7<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** IMMUNOGEN, INC.  
**Title of Invention:** Cytotoxic Benzodiazepine Derivatives

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**Patent No.:** RE/R/2017/0002  
**Date of Grant:** 15 March, 2016  
**Annuity:** 7<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** PHARMAESSENTIA CORP.  
**Title of Invention:** Peptide-Polymer Conjugates

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**Patent No.:** RE/R/2018/0003  
**Date of Grant:** 28 February, 2017  
**Annuity:** 6<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** CRYSTAL LAGOONS (CURACAO) B.V.  
**Title of Invention:** Process To Obtain (Implement And Maintain) Water Bodies Larger Than 15,000 M3 For Recreational Use With Color, Transparency And Cleanness Characteristics Similar To Swimming Pools Or Tropical Seas At Low Cost

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**Patent No.:** RE/R/2018/0013  
**Date of Grant:** 29 March, 2017  
**Annuity:** 6<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** WYETH LLC  
**Title of Invention:** Triazine Compounds As P13 Kinase And Mtor Inhibitors

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**Patent No.:** RE/R/2019/0005  
**Date of Grant:** 21 March, 2018  
**Annuity:** 5<sup>th</sup> Year  
**Applicant(s) / Proprietor(s):** VII V HEALTHCARE COMPANY  
**Title of Invention:** Antiviral Therapy

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## REGISTRAR OF PATENT

### BRUNEI DARUSSALAM

#### PATENTS RULES [S 11/2013]

#### PATENT GRANTED UNDER SECTION 30

**Application No.:** BN/N/2016/0089

**Date of Grant:** 25 September, 2017

**Applicant(s) / Proprietor(s):** ASTRAZENECA AB  
CANCER RESEARCH TECHNOLOGY LIMITED

**Title of Invention:** 1, 3, 4-Thiadiazole Compounds And Their Use In Treating  
Cancer

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