Dear Applicant,

Thank you for your request for an international-type search in respect of your provisional patent application. Please find attached the report containing the results of that search.

What this means

- The attached report is a list and explanation of published documents relevant to your invention.

What will happen next

- If you have prepaid for the listed documents - you will receive copies of these documents.

What you can do

- If you have not prepaid and would like copies of the listed documents - you can request these through online services. A fee is payable for copies of the documents (see Patent Regulations, schedule 7, fee item 233 and 234).

Things to be aware of

- Your provisional application will lapse on
- To claim priority with this provisional application, a complete application or PCT application must be filed on or before
- There are provisions in the PCT which allow us to refund some of the fees you might pay for a future international
search on your PCT application if you ask us to use the results of this search.

Details of your patent application can be viewed on AusPat, our Australian patent search database.

Yours sincerely,

Section:
Phone:
### PATENT COOPERATION TREATY

**PCT**

**AUSTRALIAN PATENT OFFICE**

**INTERNATIONAL-TYPE SEARCH REPORT**

*(PCT Article 15(5))*

<table>
<thead>
<tr>
<th>National Application No.</th>
<th>Country or Office of Filing</th>
<th>Applicant's or agent's file reference</th>
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This international-type search report consists of a total of **10** sheets including the cover letter.

**Note:** If you have requested prior art documents, they will be dispatched to you in due course.

1. **Basis of the report**

   The search was based on the following:

   a.  
      - [ ] According to the invention defined in claims as filed.
      - [ ] According to the search statement as filed. (See Supplemental Box for the details of the search statement).

   - [ ] With regard to any **nucleotide and/or amino acid sequence** disclosed in the application. (See Box No. I).

2.  [ ] **Certain claims were found unsearchable** (See Box No. II).

3.  [ ] **Unity of invention is lacking** (See Box No. III).

4.  [ ] **Other observations** (See Supplemental Box).

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE  
PO BOX 200, WODEN ACT 2606, AUSTRALIA

Email address: pct@ipaustralia.gov.au

Authorised officer

AUSTRALIAN PATENT OFFICE  
(ISO 9001 Quality Certified Service)  
Telephone No.:  

Art 15/5 International Type Search Report (July 2012)  
Effective Date: 01 June 2018
1. With regard to any nucleotide and/or amino acid sequence disclosed in the application, the international-type search was carried out on the basis of a sequence listing filed or furnished:

   a. (means)
      - [ ] on paper
      - [ ] in electronic form

   b. (time)
      - [ ] in the application as filed
      - [ ] together with the application in electronic form
      - [ ] subsequently to this Authority for the purposes of search

2. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:
**Box No. II  Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international-type search report has not been established in respect of certain claims for the following reasons:

1. Claims Nos.:
   because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
   because they relate to parts of the application that do not comply with the prescribed requirements to such an extent that no meaningful international-type search can be carried out, specifically:

**Box No. III  Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This Searching Authority found multiple inventions in this application, as follows:

See Supplemental Box for Details

1. As all additional search fees were timely paid by the applicant, this international-type search report covers all searchable inventions.

2. As all searchable inventions could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.

3. As only some additional search fees were timely paid by the applicant, this international-type search report covers only those inventions for which fees were paid, specifically claims Nos.:

4. No additional search fees were timely paid by the applicant. Consequently, this international-type search report is restricted to the invention covered by claims Nos.:
### A. CLASSIFICATION OF SUBJECT MATTER

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international-type search (name of data base and, where practicable, search terms used)

See Supplemental Box

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
<tr>
<td>X</td>
<td>Further documents are listed in the continuation of Box C</td>
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| Special categories of cited documents: |
| "A" document defining the general state of the art which is not considered to be of particular relevance |
| "E" earlier application or patent but published on or after the filing date |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified elsewhere in this report) |
| "O" document referring to an oral disclosure, use, exhibition or other means |
| "P" document published prior to the international filing date on or after the priority date claimed |
| "T" later document published after the filing date or priority date cited to understand the principle or theory underlying the invention |
| "X" "T" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "&" document member of the same patent family |

Date of the actual completion of the international-type search

Date of mailing of the international-type search report

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA

Email address: pct@ipaustralia.gov.au

Authorized officer

AUSTRALIAN PATENT OFFICE
(ISO 9001 Quality Certified Service)
Telephone No.
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INTERNATIONAL-TYPE SEARCH REPORT
WRITTEN OPINION

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

<table>
<thead>
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<th>STATEMENT</th>
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<td></td>
<td>Claims</td>
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</table>

CITATIONS AND EXPLANATIONS:

NOVELTY (N)

INVENTIVE STEP (IS)

INDUSTRIAL APPLICABILITY (IA)
SEARCH STATEMENT

Continuation of Box III

OTHER OBSERVATIONS

Electronic data base consulted during the international-type search (continuation)
Search information statement

The search information statement outlines the search the examiner carried out for your patent application. This statement shows the search databases, keywords, chemical structures and patent classification marks (IPC and CPC) searched during the examination process.

Search details

**Application number:**

**Additional members of the search team:**

**Earlier search results available:**

**Search completion date:**

Search strategy

END OF REPORT