PATENT COOPERATION TREATY

PCT

SUPPLEMENTARY INTERNATIONAL SEARCH REPORT

(PCT Rule 45bis)

<table>
<thead>
<tr>
<th>Applicant’s or agent’s file reference</th>
<th>International application No.</th>
</tr>
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<tr>
<th>International filing date (day/month/year)</th>
<th>(Earliest) Priority Date (day/month/year)</th>
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Applicant

This supplementary international search report has been prepared by this Authority specified for supplementary search and it is transmitted to the applicant in accordance with Rule 45bis.8(a). A copy is being transmitted to the International Bureau.

☐ This report is a revised version of a previously issued supplementary international search report

This supplementary international search report consists of a total of ________________ sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**
   
   a. With regard to the **language**, the supplementary international search was carried out on the basis of:
      
      ☐ the international application in the language in which it was filed.
      
      ☐ a translation of the international application into ________________ which is the language of a translation furnished for the purposes of:
         
         ☐ the international search (Rules 12.3(a) and 23.1(b)).
         
         ☐ the international publication (Rule 12.4)
         
         ☐ the supplementary international search (Rule 45bis.1(c)(i))
      
      b. ☐ This supplementary international search report has been established taking into account the **rectification of an obvious mistake** notified to this Authority under Rule 91 (Rules 43.6bis(a) and 45bis.7(c)).
   
   c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.
   
   d. ☐ This supplementary international search report has been established taking due account of the international search report, or the declaration under Article 17(2)(a) that no international search report will be established, and the written opinion established under Rule 43bis.1.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

Form PCT/SISA/501 (first sheet) (July 2019)
1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the supplementary international search was carried out on the basis of a sequence listing:

   a. forming part of the international application as filed:
      - in the form of an Annex C/ST.25 text file.
      - on paper or in the form of an image file.

   b. furnished together with the supplementary search request under PCT Rule 45bis.1(c)(ii) for the purposes of supplementary international search only in the form of an Annex C/ST.25 text file.

   c. furnished subsequent to the supplementary search request for the purposes of supplementary international search only (Rules 45bis.5(c) and 13ter):
      - in the form of an Annex C/ST.25 text file (Rule 13ter.1(a)).
      - on paper or in the form of an image file (Rule 13ter.1(b) and Administrative Instructions, Section 713).

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 forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:
This supplementary international search report has not been established in respect of certain claims under Article 17(2)(a) and Rule 45bis.5(c), (d) and (h) 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 international application that do not comply with the prescribed requirements to such an extent that no meaningful supplementary international search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

4. Claims Nos.: because they were not the subject of the international search (Rule 45bis.5(d)).

5. Claims Nos.: because they were excluded from supplementary international search by this Authority in accordance with a limitation or condition set out in the applicable agreement under Article 16(3)(b) (Rule 45bis.5(h)).

1. This Authority specified for supplementary search agrees with the conclusions of the International Searching Authority regarding the issue of unity of invention (see Forms PCT/ISA/210 and 237 dated _______________) and refers the applicant to these documents for further details.

2. At the request of the applicant, this supplementary international search report is limited to the invention specified by the applicant under Rule 45bis.1(d) and those parts of the international application which relate to that invention (Rule 45bis.5(b)).

3. This Authority specified for supplementary search:
   (i) considers that there are __________________ number inventions claimed in the international application covered by the claims indicated below/on an extra sheet:

   (ii) therefore finds that the international application does not comply with the requirement of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated below/on an extra sheet:

   (iii) draws the attention of the applicant to the possibility of requesting, within one month from the date of mailing of this report, a review of this opinion.

   Where the applicant requests the Authority to review this opinion, the applicant is hereby invited, within one month from the date of mailing of this report, to pay a review fee (Rule 45bis.6(c)) in the amount of ____ (currency/amount)

4. This supplementary international search report therefore covers only those parts of the international application which relate to the invention first mentioned in the claims ("main invention"). Consequently, this supplementary international search report covers only the following claims:

5. As all searchable claims could be searched without unreasonable additional effort, this supplementary international search report covers all claimed inventions.

Form PCT/SISA/501 (continuation of first sheet (2)) (July 2019)
SUPPLEMENTARY INTERNATIONAL SEARCH REPORT
Finding of non-compliance with the requirement of unity of invention
**SUPPLEMENTARY INTERNATIONAL SEARCH REPORT**

### A. 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 database consulted during the supplementary international search (name of database and, where practicable, search terms used)

### B. 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>
</tr>
</thead>
<tbody>
<tr>
<td>*</td>
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<tr>
<td>“A”</td>
<td>document defining the general state of the art which is not considered to be of particular relevance</td>
<td></td>
</tr>
<tr>
<td>“D”</td>
<td>document cited by the applicant in the international application</td>
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<tr>
<td>“E”</td>
<td>earlier application or patent but published on or after the international filing date</td>
<td></td>
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<tr>
<td>“L”</td>
<td>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)</td>
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<tr>
<td>“O”</td>
<td>document referring to an oral disclosure, use, exhibition or other means</td>
<td></td>
</tr>
<tr>
<td>“P”</td>
<td>document published prior to the international filing date but later than the priority date claimed</td>
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</tr>
<tr>
<td>“T”</td>
<td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td>
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<tr>
<td>“X”</td>
<td>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</td>
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<tr>
<td>“Y”</td>
<td>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</td>
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<tr>
<td>“&amp;”</td>
<td>document member of the same patent family</td>
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Further documents are listed on the continuation of second sheet B. See Patent Family Annex.

See Scope Annex for details of the scope of the supplementary international search.

Date of the actual completion of the supplementary international search | Date of mailing of the supplementary international search report
---|---

Name and mailing address of the Authority/Authorized officer

Facsimile No. | Telephone No.
---|---

Form PCT/SISA/501 (second sheet) (July 2019)
### DOCUMENTS CONSIDERED TO BE RELEVANT

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Form PCT/SISA/501 (Patent Family Annex) (July 2019)