# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL-TYPE SEARCH REPORT

#### (PCT Article 15(5))

National application No.	Country or Office of fi	lling	Filing date (day/month/year)		
Applicant's or agent's file reference		(Earliest) Priority day	te (day/month/year)		
A 1' /					
Applicant					
Date of request for international-type search		International-type search request No.			
This international-type search report has be	en prepared by this Inte	rnational Searching A	uthority and is transmitted to the applicant.		
This international-type search report consist	ts of a total of	sheets.			
It is also accompanied by a copy					
	or each prior are accum	ene enera in this report			
1. Basis of the report					
a. With regard to the <b>language</b> , the int	• •		basis of:		
the application in the land		filed.			
a translation of the application into which is the language of a translation					
furnished for the purposes of the international-type search.					
b. With regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the application, see Box No. I.					
b with regard to any nucleonue and/or annuo acid sequence disclosed in the application, see Box No. 1.					
2. Certain claims were found unsearchable (See Box No. II).					
2 Unity of invention is looking	(See Dev No. III)				
3. Unity of invention is lacking (See Box No. III).					

Box	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item1.c of the first sheet)
1.	With r out on	egard to any nucleotide and/or amino acid sequence disclosed in the application, this international-type search was carried the basis of a sequence listing filed or furnished:
		together with the application
		subsequently to this Authority for the purposes of search
		accompanied by a statement to the effect that the sequence listing does not go beyond the disclosure in the application as filed.
2.		With regard to any nucleotide and/or amino acid sequence disclosed in the application, this report has been established to the extent that a meaningful search could be carried out without a WIPO Standard ST.26 compliant sequence listing.
3.	Additi	onal comments:

Search request No.

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 national 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 International Searching Authority found multiple inventions in this national application, as follows:
1. As all required additional search fees were timely paid by the applicant, this international-type search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international-type search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international-type search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
<b>Remark on Protest</b> The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
No protest accompanied the payment of additional search fees.

Form PCT/ISA/201 (continuation of first sheet (2)) (July 2022)

A. CLASSIFICATION OF SUBJECT MATTER					
According to International Patent Classification (IPC) or to both n	ational classification and IPC				
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by	classification symbols)				
Documentation searched other than minimum documentation to the e	xtent that such documents are included in the fields searched				
Electronic database consulted during the search (name of database, and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category* Citation of document, with indication, where a	ppropriate, of the relevant passages Relevant to claim No.				
Further documents are listed in the continuation of Box C.	Patent family members are listed in annex.				
<ul><li>"A" document defining the general state of the art which is not considered to be of particular relevance</li></ul>	"T" later document published after the national filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention				
<ul> <li>"D" document cited by the applicant in the national application</li> <li>"E" earlier application or patent but published on or after the national filing date</li> </ul>	when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other specia reason (as specified)	considered to involve an inventive step when the document is combined with one or more other such documents, such combination being				
<ul> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the national filing date but later than the priority date claimed</li> </ul>					
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/	Authorized officer				
Facsimile No.	Telephone No.				

C (Continuation		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No

Information on patent family members