For receiving Office use only PCT International Application No. REQUEST International Filing Date The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Name of receiving Office and "PCT International Application" Applicant's or agent's file reference (if desired) (12 characters maximum) Box No. I TITLE OF INVENTION Box No. II APPLICANT This person is also inventor Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Telephone No. Facsimile No. Applicant's registration No. with the Office E-mail authorization: Marking this check-box authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, if the Office or Authority so wishes, advance copies of notifications in respect of this international application. (See also the Notes to Boxes Nos. II and III.) E-mail address State (that is, country) of nationality State (that is, country) of residence: This person is applicant for the purposes of: all designated States the United States of America only the States indicated in the Supplemental Box all designated States except the United States of America FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: common representative agent Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) Telephone No. Facsimile No.

E-mail authorization: Marking this check-box authorizes the receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority to use the e-mail address indicated in this Box to send, if the Office or Authority so wishes, advance copies of notifications in respect of this international application. (See also the Notes to Boxes Nos. II and III.)

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Agent's registration No. with the Office

E-mail address

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country,) of residence:	
This person is applicant all designated for the purposes of:	States except ates of America	the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entil The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residen	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)) of residence:	
This person is applicant all designated for the purposes of:	States except ates of America	the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country)	of residence:	
	States except ates of America	the United States the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant all designated for the purposes of: States all designated the United St.	States except ates of America	the United States the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated on another continuation sheet.			

Supplemental Box If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which
 a special continuation box is provided, the space is insufficient
 to furnish all the information: in such case, write "Continuation
 of Box No..." (indicate the number of the Box) and furnish the
 information in the same manner as required according to the
 captions of the Box in which the space was insufficient, in
 particular:
- (i) if more than one person is to be indicated as applicant and/ or inventor and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. III" or "Continuation of Box No. III" or "Continuation of Box No. III" and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant:
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than four earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition" or "utility certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other parent grant or the date of filing of the parent application (Rules 4.11(a)(i) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(ii) and 49bis.1(d)).

	Sheet N	(0		
Box No. V DESIGNATIONS				
The filing of this request constitutes under Rule 4.9(a) the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.				
However,				
DE Germany is not designated	for any kind of national p	rotection		
JP Japan is not designated for a	any kind of national protec	ction		
KR Republic of Korea is not de	s ignated for any kind of r	national protection		
RU Russian Federation is not d	es ignated for any kind of	national protection		
(The check-boxes above may only be us Rule 26bis.1, the international applica State concerned, in order to avoid the	tion contains in Box No. VI	l a priority claim to an e	arlier national applicat	ion filed in the particular
Box No. VI PRIORITY CLAIM				
The priority of the following earlier ap	pplication(s) is hereby clai	med:		
Filing date	Number	Whe	ere earlier application is	-
of earlier application	of earlier application	national application:	regional application:	international application
(day/month/year)		country or Member of WTO	regional Office	receiving Office
item (1)				
item (2)				
item (3)				
item (4)				
Further priority claims are indica	ted in the Supplemental B	ox.		
Transmit certified copy: the receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:				
all items item (1)	item (2)	item (3)	item (4) other	r, see Supplemental Box
Restore the right of priority: the receiving Office is requested to restore the right of priority for the earlier application(s) identified above or in the Supplemental Box as item(s) (). (See also the Notes to Box No. VI; further information must be provided to support a request to restore the right of priority.)				
Incorporation by reference: where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of				
the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.				
Box No. VII INTERNATIONAL SEARCHING AUTHORITY				
Choice of International Searching A international search, indicate the Author			Searching Authority is co	ompetent to carry out the
	, ,	, , , , , , , , , , , , , , , , , , , ,		
ISA/				

Continuation of Box No. VII USE OF RESULTS OF EARLIER SEARCH, REFERENCE TO THAT SEARCH			
The ISA indicated in Box No. VII is requested to take into account the results of the earlier search(es) indicated below (Notes to Box VII; use of results of more than two earlier searches).			
Filing date (day/month/year)	Country (or regional Office)		
Statement (Rule 4.12(ii)): this international application is the same, or substantially the same, as the application in respect which the earlier search was carried out except, where applicable, that it is filed in a different language. Availability of documents: the following documents are available to the ISA in a form and manner acceptable to it and therefol do not need to be submitted by the applicant to the ISA (Rule 12bis.1(f)): a copy of the results of the earlier search,* a copy of the earlier application, a translation of the earlier application into a language which is accepted by the ISA, a translation of the results of the earlier search into a language which is accepted by the ISA, a copy of any document cited in the results of the earlier search. (If known, please indicate below the document(s) availate to the ISA):			
Transmit copy of results of earlier search and other documents (where the earlier search was not carried out by the indicated above but by the same Office as that which is acting as the receiving Office): the receiving Office is requested prepare and transmit to the ISA (Rule 12bis.1(c)): a copy of the results of the earlier search,* a copy of the earlier application, a copy of any document cited in the results of the earlier search. * Where the results of the earlier search are neither available from a digital library nor transmitted by the receiving Office, the application is required to submit them to the receiving Office (Rule 12bis.1(a)) (See item 11. in the check-list and also Notes to Box No.			
Filing date (day/month/year)	Application Number	Country (or regional Office)	
Statement (Rule 4.12(ii)): this international application is the same, or substantially the same, as the application in respect which the earlier search was carried out except, where applicable, that it is filed in a different language. Availability of documents: the following documents are available to the ISA in a form and manner acceptable to it and therefore do not need to be submitted by the applicant to the ISA (Rule 12bis.1(f)): a copy of the results of the earlier search,* a copy of the earlier application, a translation of the earlier application into a language which is accepted by the ISA, a translation of the results of the earlier search into a language which is accepted by the ISA, a copy of any document cited in the results of the earlier search. (If known, please indicate below the document(s) available to the ISA):			
Transmit copy of results of earlier search and other documents (where the earlier search was not carried out by the ISA indicated above but by the same Office as that which is acting as the receiving Office): the receiving Office is requested to prepare and transmit to the ISA (Rule 12bis.1(c)): a copy of the results of the earlier search,* a copy of the earlier application, a copy of any document cited in the results of the earlier search. * Where the results of the earlier search are neither available from a digital library nor transmitted by the receiving Office, the applicant is required to submit them to the receiving Office (Rule 12bis.1(a)) (See item 11. in the check-list and also Notes to Box No. VII).			
Further earlier searches	s are indicated on a continuation sheet.		
Box No. VIII DECLARAT	IONS		
	re contained in Boxes Nos. VIII (i) to (v) (mark the ap te in the right column the number of each type of declara		
Box No. VIII (i)	Declaration as to the identity of the inventor	:	
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the date, to apply for and be granted a patent		:	
Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the date, to claim the priority of the earlier application	e international filing :	
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America): Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:			

Box No. VIII (i) DECLARATION: IDENTITY OF THE INVENTOR The declaration must conform to the standardized wording provided for in Section 211; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (i). If this Box is not used, this sheet should not be included in the request.			
Declaration as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)):			
This declaration is continued on the following sheet, "Continuation of Box No. VIII (i)".			

Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.			
Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:			
This declaration is continued on the following sheet "Continuation of Box No. VIII (ii)"			

Sheet No.

Box No. VIII (iii) DECLARATION: ENTITLEMENT TO CLAIM PRIORITY The declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.			
Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):			
This declaration is continued on the following sheet, "Continuation of Box No. VIII (iii)".			

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

I hereby acknowledge the duty to disclose information that is a 37 C.F.R. § 1.56, including for continuation-in-part applications, mate of the prior application and the PCT international filing date of the continuation.	erial information which became available between the filing date		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
Name:			
Residence: (city and either US state, if applicable, or country)			
Mailing Address:			
Citizenship:			
Inventor's Signature:	Date:		
Name:			
Residence:			
Mailing Address:			
Citizenship:			
Inventor's Signature:	Date:		
This declaration is continued on the following sheet, "Continuat	ion of Box No. VIII (iv)".		

Box No. VIII (v) DECLARATION: NON-PREJUDICIAL DISCLOSURES OR EXCEPTIONS TO LACK OF NOVELTY The declaration must conform to the standardized wording provided for in Section 215; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (v). If this Box is not used, this sheet should not be included in the request.
Declaration as to non-prejudicial disclosures or exceptions to lack of novelty (Rules 4.17(v) and 51bis.1(a)(v)):
This declaration is continued on the following sheet, "Continuation of Box No. VIII (v)".

Sheet No					
Continuation of Box No. VIII (i) to (v) DECLARATION If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII (iv), in such case, write "Continuation of Box No. VIII" (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet should not be included in the request.					

Box No. IX CHECK LIST for PAPER filings - this sheet is only to be used when filing an international application on PAPER			
This international application Number contains the following: of sheets	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items	
(a) request form PCT/RO/101	1. fee calculation sheet	:	
(including any	2. original separate power of attorney	:	
declarations and	3. original general power of attorney		
supplemental sheets):	copy of general power of attorney; reference		
	number:	:	
(b) description (excluding any	5. statement explaining lack of signature		
sequence listing			
part of the	priority document(s) identified in Box No. VI as item(s)	:	
description, see (f), below)	7. Translation of international application into		
	(language):	:	
(c) claims	8. Separate indications concerning deposited		
(d) abstract	microorganism or other biological material	:	
(e) drawings (if any):	 copy in electronic form (Annex C/ST.25 text file physical data carrier(s) of the sequence listing, n part of the international application, which is furni 	ot forming	
(f) sequence listing part of the	for the purposes of international search under	Rule 13ter	
description (if any) :	(type and number of physical data carriers)		
Total number of sheets : (a statement confirming that "the information recorded in electronic form submitted under Rule 13ter is identical to the sequence listing as contained in the international application" as filed on paper.		
	11. ☐ copy of results of earlier search(es) (Rule 12bis.		
	12. other (specify):	· · · · · · · · · · · · · · · · · · ·	
Figure of the drawings which should accompany the abstract:			
* *	GENT OR COMMON REPRESENTATIVE		
,	nd the capacity in which the person signs (if such capacity is not obviou	s from reading the request).	
Date of actual receipt of the purported	For receiving Office use only		
international application:		2. Drawings:	
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:			
4. Date of timely receipt of the required corrections under PCT Article 11(2):			
International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid		
For	International Bureau use only	·	
Date of receipt of the record copy by the International Bureau:			

[備考]

- 1 記載事項は、大文字の大きさが縦 0.21cm以上の文字のタイプ印書又は印刷により、 暗色の退色性のない色で、写真、静電的方法、写真オフセット及びマイクロフィルム によつて直接に任意の部数の複製をすることができるように記載する。
- 2 TITLE OF INVENTION は、短く(2語以上7語以内であることが望ましい。)、かつ、 的確なものとする。
- 3 記載すべき出願人又は発明者のすべてを該当する欄に記載しきれないときは、「Further applicants and/or (further) inventors are indicated on a continuation sheet.」の前の□内にレ印を付し、続葉を用いて記載する。
- 4 「Applicant's registration No. with the Office」及び「Agent's registration No. with the Office」の欄には、識別番号をなるべく記載する。
- 5 「PRIORITY CLAIM」の欄には、優先権の主張に係る先の出願の表示を次により記載する。
 - イ 先の出願が「national application」(国内出願)の場合には、先の出願をした 日付、先の出願の番号及び先の出願がされた国名を記載する。
 - ロ 先の出願が「regional application」(広域出願)の場合には、先の出願をした 日付、先の出願の番号及び適用される広域特許の取決めに基づき広域特許を付与す る権限を有する機関の名称(実際には、関連する広域官庁)を記載する。広域出願 のうち、ARIPO特許を先の出願とする場合には、その出願を行つたパリ条約同 盟国又は世界貿易機関の少なくとも1か国の国名を記載する。
 - ハ 先の出願が「international application」(国際出願)の場合には、国際出願日、 国際出願番号及び出願がされた受理官庁名を記載する。
- 6 「CHECK LIST」の「Language of filing of the international application」の項には、受理官庁が認める言語のうち国際出願に使用した言語を「English」のように記載する。
- 「SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE」の欄には、すべての出願人が代理人を選任した場合には、その代理人が記名し、署名をする。代理人が選任されない場合には、少なくとも一人の出願人が記名し、署名をする。
- 8 第50条の3第2項の規定により磁気ディスクを願書に添付するときは、次の要領で 記載する。
 - イ 「CHECK LIST」の 9. の口内にレ印を付し、磁気ディスクの種類及び数を記載し、 10. の口内にレ印を付し、陳述書の数を記載する。
 - ロ 「12. □ other (*Specify*) :..... : 」の□内にレ印を付すとともに、点線上に「Information Such as Recording Form of Magnetic disk」と記載し、その書面の数を記載する。
 - ハ 「Statement」は、原則として次の文例により作成する。「Identification of

International Application 」の項目は、様式第1の2の備考3に従つて記載する。 (文例)

STATEMENT

TO: Commissioner of the Patent Office

It is hereby stated that the text data of the nucleotide and/or amino acid sequence(s)recorded on the magnetic disk is identical to the nucleotide and/or amino acid sequence(s)written in the specification.

Date,

Identification of International Application:

Title of Invention:

Applicant (Agent) : Signature (•)

- = 「Information Such as Recording Form of Magnetic disk」は、原則として、「Applicant」、「Agent」、「Identification of the International Application」、「Title of Invention」、「Character Code」、「File Name」及び「Contact Person (Tel (Fax), Name)」の項目を設けて記載することにより作成する。
- 9 その他は、様式第1の備考1、2、4、9、13から15まで、20及び21、様式第1の2の備考1、4及び7並びに様式第7の備考1から4まで、6、10、14及び16から18までと同様とする。