	For	receiving Office use only	
РСТ			
	International Application	on No.	
REQUEST			
	International Filing Dat	te	
The undersigned requests that the present international application be processed			
according to the Patent Cooperation Treaty.	Name of receiving Offi	ce and "PCT International Application"	
	Applicant's or agent's : (if desired) (12 character	file reference ers maximum)	
Box No. I TITLE OF INVENTION	()	· · · · · · · · · · · · · · · · · · ·	
Box No. II APPLICANT This pers	on is also inventor		
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of	ntity, full official designation.	Telephone No.	
Box is the applicant's State (that is, country) of residence if no State of residence	ence is indicated below.)		
		Facsimile No.	
		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 all designated all designated	ed States except	the United States The States indicated in	
for the purposes of:		of America only the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	THER) INVENTOR(S)		
Further applicants and/or (further) inventors are indicated	on a continuation sheet.		
Box No. IV AGENT OR COMMON REPRESENTATIV	E; OR ADDRESS FOR	CORRESPONDENCE	
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie		agent common representative	
Name and address: (Family name followed by given name; for a legal er The address must include postal code and name o		Telephone No.	
The duaress must include postal code and name of	country.)		
		Facsimile No.	
		Agent's registration No. with the Office	
Address for correspondence: Mark this check-box where space above is used instead to indicate a special address to	e no agent or common rep which correspondence s	bresentative is/has been appointed and the hould be sent.	

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, 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 residence	address indicated in this			
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated S all designated S for the purposes of:				
Name and address: (Family name followed by given name; for a legal entity, 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 residence	address indicated in this			
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated States all designates all designates all designa	States except the United States the States indicated in the States of America only the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, 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 residence	address indicated in this			
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated States all designates all designates all designa	States except the United States the States indicated in the States indicated in the Supplemental Box			
Name and address: (Family name followed by given name; for a legal entity, 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 residence	address indicated in this			
State (that is, country) of nationality:	State (that is, country) of residence:			
This person is applicant all designated S for the purposes of:	States except the United States the States indicated in the States of America only 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 in 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. 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 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 three 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," the number of the parent application or patent or other parent grant and the date of grant of the parent application (Rules 4.11(a)(iii) 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)(iv) and 49bis.1(d)).

Box No. V DESIGNATION	8				
The filing of this request <b>constitu</b> t filing date, for the grant of every However,	tes under Rule 4.9(a), the desikind of protection available an	<b>ignation</b> of all Contract d, where applicable, fo	ing States bound by the r the grant of both regio	e PCT on the international onal and national patents.	
DE Germany is not design	ated for any kind of national p	protection			
	for any kind of national prote				
KR Republic of Korea is no	ot designated for any kind of	national protection			
RU Russian Federation is n	<b>tot designated</b> for any kind of	national protection			
(The check-boxes above may only a Rule 26bis. 1, the international app State concerned, in order to avoid	olication contains in Box No. V	I a priority claim to an e	earlier national applica	tion filed in the particular	
Box No. VI PRIORITY CLA	IM				
The priority of the following earli	er application(s) is hereby clai	imed:			
Filing date	Number	Whe	ere earlier application i	s:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application: regional Office	international application receiving Office	
item (1)					
item (2)					
item (3)					
Further priority claims are in	dicated in the Supplemental B	Box.			
<b>Transmit certified copy:</b> the rec	aiving Office is requested to a	ronoro and transmit to	the International Dura	an a cortified convertible	
earlier application(s) (only if the of is the receiving Office) identified	earlier application was filed w	with the Office which fo	r the purposes of this is	nternational application	
all items i	tem (1) $\Box$ item (2)	item (3)	other, see Supp	lemental Box	
<b>Restore the right of priority:</b> the above or in the Supplemental Box <i>information must be provided to</i>	x as item(s) (	-		application(s) identified s to Box No. VI; further	
<b>Incorporation by reference:</b> wh the description, claims or drawin completely contained in an earlied Article 11(1)(iii) were first rece incorporated by reference in this	ngs referred to in Rule 20.5(a er application whose priority ived by the receiving Office	a) is not otherwise con is claimed on the date , that element or part	ntained in this internat on which one or more is, subject to confirm	tional application but is elements referred to in	
Box No. VII INTERNATION	AL SEARCHING AUTHOR	RITY			
<b>Choice of International Searchi</b> <i>international search, indicate the 2</i>	<b>ng Authority (ISA)</b> (if two or Authority chosen; the two-letter	more International Sea • code may be used):	rching Authorities are c	competent to carry out the	
ISA / Request to use results of earlier	search; reference to that se		ch has been carried out	by or requested from the	
International Searching Authority) Date (day/month/year)		Country (or regional O	ffice)		
Box No. VIII DECLARATION	NS				
The following <b>declarations</b> are c <i>check-boxes below and indicate in</i>				Number of declarations	
Box No. VIII (i) De	eclaration as to the identity of the	ne inventor		:	
	eclaration as to the applicant's te, to apply for and be granted		nternational filing	:	
Box No. VIII (iii) Do	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application				
	eclaration of inventorship (onlinited States of America)	y for the purposes of th	e designation of the	:	
Box No. VIII (v) De	eclaration as to non-prejudicia	l disclosures or excepti	ons 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)".

## 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 51*bis*.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 51*bis*.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).

This declaration is directed to international application No. PCT/..... (if furnishing declaration pursuant to Rule 26*ter*).

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.

Prior Applications:

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

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:	
Mailing Address:	
Citizenship:	
Inventor's Signature: D (The signature must be that of the inventor, not that of the agent)	Date:
Name:	
Residence:	
Mailing Address:	
Citizenship:	
Inventor's Signature: D (The signature must be that of the inventor, not that of the agent)	Date:

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

Form PCT/RO/101 (declaration sheet (iv)) (April 2007)

**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)".

#### 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.

<u> </u>			Sheet No	
Bo	DX NO. IX CHECK LIST; LANGUAGE (	OF FILI	NG	
	is international application <b>contains</b> : <b>on paper</b> , the following number of sheets:	item(s) right co	nternational application is <b>accompanied by</b> the following ) (mark the applicable check-boxes below and indicate in olumn the number of each item):	Number of items
	request (including		fee calculation sheet	:
	declaration and	2. 🔲	original separate power of attorney	:
	supplemental sheets) :	3. 🗖		:
	description (excluding sequence listing and/or tables related thereto) :	4.		:
	claims :	5. 🗖		:
	abstract : drawings :	6.		•
	Sub-total number of sheets :	7. 🗖		
	sequence listing :	8. 🗆		
	tables related thereto :	о. Ц	or other biological material	:
	(for both, actual number of sheets if filed on paper, whether or not also	9. 🗖		
	whether or not also filed in electronic form; see (c) below)	(i)	Copy submitted for the purposes of international search under Rule 13 <i>ter</i> only (and not as part of the international application	n) :
	Total number of sheets :	(ii)	$\Box$ (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the	
(b)		(iii)	purposes of international search under Rule 13 <i>ter</i>	: or
	<ul> <li>(i) □ sequence listing</li> <li>(ii) □ tables related thereto</li> </ul>	10. 🗖		:
(c)	also in electronic form (Section 801(a)(ii))	(i)	( <i>indicate type and number of carriers</i> ) copy submitted for the purposes of international search under	
	(i) $\square$ sequence listing		Section 802(b-quater) only (and not as part of the international application)	.1
	(ii) $\Box$ tables related thereto	(ii)	$\Box$ (only where check-box (b)(ii) or (c)(ii) is marked in left column)	•
	<b>Type and number of carriers</b> (diskette, CD-ROM, CD-R or other) on which are contained the		additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:
	sequence listing:	(iii)	together with relevant statement as to the identity of the copy o copies with the tables mentioned in left column	)r
	tables related thereto:			•
	(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11.	other (specify):	:
Fig	gure of the drawings which	Langu	age of filing of the	
	ould accompany the abstract:		tional application:	
			NT OR COMMON REPRESENTATIVE	
			he capacity in which the person signs (if such capacity is not obvious from reading	; the request).
		For	receiving Office use only	
1.	Date of actual receipt of the purported international application:		2. Draw	/ings:
			rec	eived:
3.	Corrected date of actual receipt due to later b timely received papers or drawings completin the purported international application:	out ng		
$\vdash$	* * **			
4.	Date of timely receipt of the required corrections under PCT Article 11(2):		l L not	received:

For International Bureau use only

6.

Transmittal of search copy delayed until search fee is paid

Date of receipt of the record copy by the International Bureau:

5. International Searching Authority (if two or more are competent):

Í ISA /

〔備考〕

- 1 記載事項は、大文字の大きさが縦 0.21 cm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。
- 7 「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「9. sequence listing in computer readable form (*indicate type and number of carriers*)」の内にレ印を付すとともに、「(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application):」の内にレ印を付し、媒体の種類及び数を記載し、「(iii) together with relevant statement as to the identify of the copy or copies with the sequence listing mentioned in left column:」の内にレ印を付し、陳述書の数を記載する。
- ロ 「11. 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。