## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3795450

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

### **CONVEYING PARTY DATA**

Name	Execution Date
CELINE ADESSI	04/27/2001
ERIC KAWASHIMA	04/27/2001
PASCAL MAYER	05/01/2001
JEAN-JACQUES MERMOD	04/26/2001
GERARDO TURCATTI	05/01/2001

### **RECEIVING PARTY DATA**

Name:	APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.	
Street Address: PIETERMAAI 15		
City: CURACAO		
State/Country:	NETHERLANDS ANTILLES	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15050345

## **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: ip@illumina.com

Correspondent Name: ILLUMINA, INC.

Address Line 1: 5200 ILLUMINA WAY

Address Line 4: SAN DIEGO, CALIFORNIA 92122

ATTORNEY DOCKET NUMBER: IP-0345C-US

NAME OF SUBMITTER: IRJA ZAREMBOK

SIGNATURE: /Irja Zarembok/

DATE SIGNED: 03/22/2016

**Total Attachments: 3** 

source=Assignment345 Inventors to ARS (1)#page1.tif source=Assignment345 Inventors to ARS (1)#page2.tif source=Assignment345 Inventors to ARS (1)#page3.tif

PATENT 503748805 REEL: 038071 FRAME: 0672

# **ASSIGNMENT**

(1-5)	Insert Name(s) of Inventors	(1) Celine ADESSI	
(··· -2)		(2) Eric KAWASHIMA	
		(3) Pascal MAYER	
		(4) Jean-Jacques MERMOD	
		(5) Gerardo TURCATTI	
		In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to each of the undersigned, the receipt of which is hereby acknowledged each of the undersigned agrees to assign, and hereby does assign, and set over to	
(6)	Insert Name of Assignee	(6) APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.	
(7)	Insert Address of Assignee	(7) Pietermaai 15	
	•	Curacao, Netherlands Antilles	
		(hereinafter designated as the Assignee) the entire right, title and interest owned by the undersigned for the United States, its territories, dependencies and possessions, in the invention known as	
(8)	Insert Identification of Inven	tion, (8) METHODS OF NUCLEIC ACID AMPLIFICATION AND	
	such as Title, Case Number of		
	Foreign Application Number	for which the undersigned has filed or will file a provisional application, or for which undersigned has executed a non-provisional application for patent in the United States of America	
(9)	Insert Date of Signing	(9) on	
	of Application		
(10)	Alternative Identification for Filed Applications	(10) U.S. Application Number	
		filed	
		and each of the undersigned also agrees to assign, and hereby does assign, transfer and set ove to said assignee all provisional and non-provisional applications for patent and any original and reissued Letters Patent of the United States granted for said invention and any divisions, reissues continuations and extensions thereof and in and to any Letters Patent that may be granted thereon, including the subject matter of any and all claims which may be obtained in every such patent.	
	oplications thereof and also	aned agrees to execute all papers in connection with the application and any continuing or divisional of to execute separate assignments in connection with such applications as the Assignee may deem necessary of tection and title in and to the invention hereby transferred.	
concernin	2) Each of the undersig	aned agrees to execute all papers necessary in connection with any interference which may be declared uation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining	
		ned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United State	
patent to the Assignee.  4) Each of the undersigned agrees to communicate to the Assignee or representatives thereof any facts known to him or her			
		ements thereof, and will, upon request, but without expense to him or her, testify in any legal proceeding	
the entire	ates resulting from said app interest, and hereby coven	ned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the olication or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of ants that he or she has full right to convey the entire interest herein assigned, and that he or she has no reement in conflict herewith.	
identificat	tion which may be necessar	and hereby grants the firm of Browdy and Neimark the power to insert on this assignment any further or desirable in order to comply with the rules of the United States Patent Office for recordation of this	
inure to th		Il be binding upon the heirs, executors, administrators, and/or assigns of each of the undersigned, and sha stors, administrators, successors and/or assigns of the Assignee.	
In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned.			
(1) Dat	e 27 April 2001 S	Signature of Inventor	
(2) Dat		Signature of Inventor 24L	
(3) Dat	· ·	Signature of Inventor	
(4) Dat		Signature of Inventor	
(5) Date		Signature of Inventor	
Date		Vitness	

PATENT REEL: 038071 FRAME: 0673

# **ASSIGNMENT**

(1-5)	Insert Name(s) of Inventors	(1)	Celine ADESSI
		(2)	Eric KAWASHIMA
		(3)	Pascal MAYER
		(4)	Jean-Jacques MERMOD
		(5)	Gerardo TURCATTI
		consideratio	sideration of the sum of ten dollars (\$10.00) and other good and valuable ns paid to each of the undersigned, the receipt of which is hereby acknowledged, undersigned agrees to assign, and hereby does assign, and set over to
(6)	Insert Name of Assignee	(6)	APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.
0	Insert Address of Assignee	(7)	Pietermaai 15
			Curacao, Netherlands Antilles
			designated as the Assignee) the entire right, title and interest owned by the for the United States, its territories, dependencies and possessions, in the invention
(8)	Insert Identification of Inve	ntion, (8)	METHODS OF NUCLEIC ACID AMPLIFICATION AND
	such as Title, Case Number		SEQUENCING
	Foreign Application Numbe	for which th	e undersigned has filed or will file a provisional application, or for which undersigned a non-provisional application for patent in the United States of America
(9)	Insert Date of Signing	(9)	on
	of Application		
(10)	Alternative Identification for Filed Applications	(10)	U.S. Application Number
			filed
		to said assig reissued Let continuation thereon, incl patent.	If the undersigned also agrees to assign, and hereby does assign, transfer and set over the all provisional and non-provisional applications for patent and any original and ters Patent of the United States granted for said invention and any divisions, reissues, and extensions thereof and in and to any Letters Patent that may be granted auding the subject matter of any and all claims which may be obtained in every such
	oplications thereof and also	to execute separate as	e all papers in connection with the application and any continuing or divisional or signments in connection with such applications as the Assignee may deem necessary I to the invention hereby transferred.
		uation or division or re	e all papers necessary in connection with any interference which may be declared e-issue thereof and to cooperate with the Assignee in every way possible in obtaining
		ned agrees to perform	all affirmative acts which may be necessary to obtain a grant of a valid United States
patent to the Assignee.  4) Each of the undersigned agrees to communicate to the Assignee or representatives thereof any facts known to him or her			
	g the invention and improve the invention.	ements thereof, and w	ill, upon request, but without expense to him or her, testify in any legal proceedings
the entire	ates resulting from said ap interest, and hereby cover	plication or any divisionants that he or she ha	and requests the Commissioner of Patents to issue any and all Letters Patents of the on or divisions or continuing applications thereof to the said Assignee, as Assignee of a full right to convey the entire interest herein assigned, and that he or she has not
executed	and will not execute, any ag		
identifica document	tion which may be necessa		e firm of Browdy and Neimark the power to insert on this assignment any further to comply with the rules of the United States Patent Office for recordation of this
			heirs, executors, administrators, and/or assigns of each of the undersigned, and shall
inure to the			successors and/or assigns of the Assignee. Indersigned on the date opposite the name of the undersigned.
	in withess whereon, exec	Luicu by each of the t	ander signed on the date opposite the name of the undersigned.
(1) Dat	e	Signature of Inventor	
(2) Date	e	Signature of Inventor	Al
(3) Date	· 1/05/2001	Signature of Inventor	1/ VANUS
	1/05/0002	signature of mivelifor	
(4) Dat		Signature of Inventor	
<ul><li>(4) Date</li><li>(5) Date</li></ul>	e S	_	Murcal ho

PATENT REEL: 038071 FRAME: 0674

# **ASSIGNMENT**

(1-5)	Insert Name(s) of Inventors	(1)	Celine ADESSI
		(2)	Eric KAWASHIMA
		(3)	Pascal MAYER
		(4)	Jean-Jacques MERMOD
		(5)	Gerardo TURCATTI
		consideration	sideration of the sum of ten dollars (\$10.00) and other good and valuable ons paid to each of the undersigned, the receipt of which is hereby acknowledged, undersigned agrees to assign, and hereby does assign, and set over to
(6)	Insert Name of Assignee	(6)	APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.
(7)	Insert Address of Assignee	(7)	Pietermaai 15
		(hereinafter undersigned known as	Curacao, Netherlands Antilles  designated as the Assignee) the entire right, title and interest owned by the I for the United States, its territories, dependencies and possessions, in the invention
(8)	Insert Identification of Invention, such as Title, Case Number or Foreign Application Number	(8)	METHODS OF NUCLEIC ACID AMPLIFICATION AND SEQUENCING
		for which the	the undersigned has filed or will file a provisional application, or for which undersigned d a non-provisional application for patent in the United States of America
(9)	Insert Date of Signing of Application	(9)	on
(10)	Alternative Identification for Filed Applications	(10)	U.S. Application Number
			filed
		to said assigners to said assigner thereon, incompatent.	f the undersigned also agrees to assign, and hereby does assign, transfer and set over gnee all provisional and non-provisional applications for patent and any original and ters Patent of the United States granted for said invention and any divisions, reissues, as and extensions thereof and in and to any Letters Patent that may be granted luding the subject matter of any and all claims which may be obtained in every such
	pplications thereof and also to execute ient or essential to its full protection	ute separate as and title in an	e all papers in connection with the application and any continuing or divisional or signments in connection with such applications as the Assignee may deem necessary d to the invention hereby transferred.
		or division or r	te all papers necessary in connection with any interference which may be declared e-issue thereof and to cooperate with the Assignee in every way possible in obtaining
patent to	3) Each of the undersigned agr the Assignee.	ees to perform	all affirmative acts which may be necessary to obtain a grant of a valid United States
			nunicate to the Assignee or representatives thereof any facts known to him or her rill, upon request, but without expense to him or her, testify in any legal proceedings
the entire	tates resulting from said application e interest, and hereby covenants the and will not execute, any agreemen 6) Each of the undersigned he	n or any division or any division or any division or she had a tin conflict hereby grants the	and requests the Commissioner of Patents to issue any and all Letters Patents of the on or divisions or continuing applications thereof to the said Assignee, as Assignee of as full right to convey the entire interest herein assigned, and that he or she has not rewith.  The firm of Browdy and Neimark the power to insert on this assignment any further or to comply with the rules of the United States Patent Office for recordation of this
documen	t.		
inure to t	he benefit of the heirs, executors, ac	dministrators,	heirs, executors, administrators, and/or assigns of each of the undersigned, and shall successors and/or assigns of the Assignee.  undersigned on the date opposite the name of the undersigned.
(1) D-4			·
<ol> <li>(1) Dat</li> <li>(2) Dat</li> </ol>		re of Inventor re of Inventor	
(3) Dat		re of Inventor	
		re of Inventor	
(5) Dat	e Signatu	re of Inventor	

PATENT REEL: 038071 FRAME: 0675

**RECORDED: 03/22/2016**