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To	al number of pages including cover sheet,	attachments, and docume	ent: <u>9</u>		
1.	A. Name of conveying parties:		2. A. 1	Name and address of recei-	ving party:
	 [1] Patrick BROYER [2] Agnes DUPONTFILLIAR [3] Massimo GALDIERO [4] Michel GUY [5] Hermanus Johannes Maria [6] Emiliano MAIONE [7] Emiel Gerebern Maria VEI 	KREUWEL		BIOMERIEUX CHEMIN DE L'OI F-69280 MARCY FRANCE	L'ETOILE,
	B. Additional name(s) of conveying p	oarty(ies) attached? Yes ⊠ No		L	Yes 🛛 No
3.	A. Nature of conveyance: Assignment	<i>M</i> erger			!
	☐ Security Agreement ☐ C	Change of Name			
	Other Record to correct Assignor e assignment document previously records reel 026687/frame 0982 B. Execution Date: [1 & 4]-May 24	ed on August 1, 2011.			
	[2]-June 24, 2011; [3 & 6]-May 23 [5]-June 6, 2011; [7]-July 12, 2011	<u>, 2011;</u>			
4.	A. Patent Application No. 13/129,9	9 <u>97</u>	B. P	Patent No.	
	A	Additional numbers attach	ned? 🔲 Yes	s 🛛 No	;
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5.	Name and address of party to whom correconcerning document should be mailed:	espondence	6. Total r	number of applications and	patents involved: 1
	Name: William P. Berridge			ase charge Deposit Ac al fee (37 CFR 3.41) in	ecount No. 15-0461 the the amount of \$40.00.
	Address: OLIFF & BERRIDGE, PI P.O. Box 320850 Alexandria, VA 22320-48 Phone Number: 703-836-6 Fax Number: 703-836-27	850 6400		any overpayment or charg t account number 15-046	
9.	Statement and signature. To the best of my knowledge and belief, to original document. Without P. Barndge, Registration No. 30, borning T. Kim, Registration No. L0543		n is true and d	correct and any attached of Date: August 16, 2011	copy is a true copy of the

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aue	Adimita, VA 20010-1400	Attorney Docket No. 149598
	ase record the attached document. Take number of pages including cover sheet, attachments, and documents.	ent: <u>6</u>
L.	A. Name of conveying parties:	2. A. Name and address of receiving party:
	 [1] Patrick BROYER [2] Agnes DUPONTFILLIARD [3] Massimo GALDIERO [4] Michel GUY [5] Hermanus Johannes Maria KREUWEL [6] Emiliano MAIONE [7] Emiel Gerebern Maria VERWIMP 	BIOMERIEUX CHEMIN DE L'ORME, F-69280 MARCY L'ETOLLE, FRANCE B. Additional name(s) & address(cs) attached?
	B. Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	□Yes ⊠ No
3.	A. Nature of conveyance:	1 : :
	Assignment Merger	
	☐ Security Agreement ☐ Change of Name	
	Other B. Execution Date: [1 & 4]-May 24, 2011; [2]-June 26, 2011; [3 & 6]-May 23, 2011; [5]-June 6, 2011; [7]-July 12, 2011	
4.	A. Patent Application No. <u>13/129.997</u> Additional numbers attac	B. Patent No.
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5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
	Name: William P. Berridge	7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.
	Address: OLDF & BERRIDGE, PLC P.O. Box 320859 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787	8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.
9.	Statement and signature. To the best of my knowledge and belief, the foregoing informationiginal document. William D. Herridgo, Registration No. 30,024 Tommy T. Kim, Registration No. L0543	on is true and correct and any attached copy is a true copy of the Date: August 1, 2011

PATENT

	Insert	(1)	Patrick BROYER	(5)	Hermanus Joha KREUWEL	nnes Maria
(1-8)	Name(s)	(2)	Agnes DUPONTFILL	(ARD (6)	Emiliano MAI	INE
()	of Inventor(s)	(3)	Massimo GALDIERO	(7)	Emiel Gerebera	
		(4)	Michel GUY	(8)	VERWIMP	ļ
		• • •	In consideration of the sum of or		and other good and va	
		each o	f the undersigned, each undersig			
(9)	Insert Name of Assignee	(9)	BIOMERIEU	X		
(10)	Insert Address of Assignee	(10)	Chemin de L'Orm	e, F-69280) Marcy L'Etoi	e, FRANCE
		the en invent contin	nafter designated as the Assignee) tire right, title and interest for the li ion, and in all applications for pat uation, international, confirmation ions, reissues and reexamination o	United States of A ant including any , substitute and r	America as defined in 3: and all provisional, nor eissue application(s), ar	SU.S.C. §100, in the n-provisional, divisional, and all Letters Patent,
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			ich the undersigned has (have) ex n date herewith or	ecuted an appli-	cation for patent in the	United States of America
(12)	Insert Date of Signing					
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	filed applications	filed	May 18, 2011			
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	In witness whereof, execu	ted by th	undersigned on the date(s) op	. ///		
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neither, Date	then it should be signed before	re at leas	two witnesses who also sign her Witness	e:	~ ~	cen leng
Date	164 24, 7011		Witness	'AP	15	Barre

PATENT REEL: 026761 FRAME: 0918

	Insert	(1)	Patrick BROYER	(5)	Hermanus Johannes Maria KREUWEL
(1-8)	Name(s)	(2)	Agnes DUPONTFILLIARD	(6)	Emiliano MAIONE
	of Inventor(s)	(3)	Massimo GALDIERO	(7)	Emiel Gerebern Marioa VERWIMP
		(4)	Michel GUY	(8)	V EX W IWII
		each o	In consideration of the sum of one dollar (\$1.00)	and other good and valuable consideration paid to sign, and hereby does essign, transfer and set over to
(9)	Insert Name of Assignee	(9)	BIOMERIEUX		İ
(10)	Insert Address of	(10)	Chemin de L'Orme, F-6928	οΛ λ .	Agray I 'Btoile FRANCE
. "	Assignee	(herein the ent invent contin	nafter designated as the Assignee) and Assign tire right, title and interest for the United Stat	nee's he ces of A ng any cand re	eirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, eissue application(s), and all Letters Patent,
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	such as Title, Case		SAID MICROORGANISMS FOR PURPO	SES C	OF ANALYSIS
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			ich the undersigned has (have) executed an n date herewith or	applic	cation for patent in the United States of America
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	of Application	(12)	on		
(13)	Alternative	(13)	U.S. application Serial Number 13/1	29,99	97
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	filed applications	filed	May 18, 2011		
application any application and aging application and aging aging and aging	ations and patents as the Assig 2) Each undersigned agrees plication or continuation or dis- signee in every way possible in 3) Each undersigned agrees or provisions of the Internatio 4) Each undersigned agrees aination a grant of a valid Unit 5) Each undersigned author of the United States resulting that to convey the entire interest rees that this assignment is bin 6) Each undersigned hereby ication that may be necessary of	nee may to execution the a obtaining to execute to execute to perform to perf	deem necessary. Ite all papers necessary in connection with a creof, or any patent or reissue application by the all papers and going forward with such in the all papers and documents and perform at cention for Protection of Industrial Property rm all affirmative acts which may be necessing patent to the Assignee. Requests the Commissioner of the U.S. Pate d application(s) to the said Assignee, as Assigned, and that he has not executed, and the firm of OLIFF & BERRIDGE, PLC the poole in order to comply with the rules of the left of the le	any interest and the service or simulation or simulation or simulation or signee will no egal rewer to United	which may be necessary in connection with nilar agreements. obtain, maintain or confirm by reissue or in trademark Office to issue any and all Letters to of the entire interest, and covenants that he has not execute, any agreements in conflict herewith, appresentatives. insert on this assignment any further is states Patent and Trademark Office for
2)	In witness whereof, execut	ed by th	e undersigned on the date(s) opposite the	ander	ratence name(s).
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Date	24/06/11				

PATENT REEL: 026761 FRAME: 0919

			ASSIGNMENT			
	Insert	(1)	Patrick BROYER	(5)	Hermanus J KREUWEL	phannes Maria
(1-8)	Name(s)	(2)	Agnes DUPONTFILLIARD	(6)	Emiliano M	
	of Inventor(s)	(3)	Massimo GALDIERO	(7)	Emiel Geret VERWIMP	ern Maria
		(4)	Michel GUY	(8)	T DICTI III	
		each o	In consideration of the sum of one dolls f the undersigned, each undersigned ago	er (\$1.00) rees to as:	and other good an sign, and hereby do	d valuable consideration paid es assign, transfer and set ove
(9)	Insert Name of Assignee	(9)	BIOMERIEUX			
(10)	Insert Address of Assignee	(10)	Chemin de L'Orme, F-6	9280	Marcy L'Eto	ile, FRANCE
		the ent inventi continu	after designated as the Assignee) and Assign right, title and interest for the United on, and in all applications for patent inclustion, international, confirmation, substitutes, reissues and reexamination certifications, reissues and reexamination certifications.	States of a uding any tute and a	America as defined and all provisional eissue application(s	in 35 U.S.C. §100, in the , non-provisional, divisional, s), and all Letters Patent.
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	, , , , ,	for wh	ich the undersigned has (have) executed	an appli	cation for patent in	the United States of America
(12)	Insert Date of Signing					
	of Application	(12)	on			
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	filed applications	filed	May 18, 2011			-
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	Insert	(1)	Patrick BROYER	(5)	Hermanus Joh	annes Maria
(1-8)	Name(s)	(2)	Agnes DUPONTFII	LIARD (6)	KREUWEL	TONTO.
				***************************************	Emiliano MA Emiel Gerebe	
	of Inventor(s)	(3)	Massimo GALDIER	LO (7)	VERWIMP	; ; !
		(4)	Michel GUY	(8)		
	_	each (In consideration of the sum of the undersigned, each under	f one dollar (\$1.00) signed agrees to ass	and other good and vign, and hereby does	aluable consideration paid to assign, transfer and set over
(9)	Insert Name of Assignee	(9)	BIOMERIEUX	<u> </u>		
(10)	Insert Address of Assignee	(10)	Chemin de L'Orn	ne, F-69280	Marcy L'Etoil	e. FRANCE
		invent contin	nafter designated as the Assigne tire right, title and interest for the ion, and in all applications for p uation, international, confirmations, reissues and reexaminations.	e) and Assignee's he he United States of A patent including any ion, substitute and n	eirs, successors, assign America as defined in and all provisional, no	is and legal representatives, 35 U.S.C. § 100, in the in-provisional, divisional,
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		for wh	ich the undersigned has (have) n date herewith or	executed an application	ation for patent in the	United States of America
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	of Application	(12)	on			
(13)	Alternative	(13)	U.S. application Serial Numb	er 13/129,99	7	:
	Identification for					
	filed applications	filed	May 18, 2011			
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	& June 2	OU.				(SEAL)
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neither '	This assignment should prefe	rably be	signed before: (a) a Notary Pul two witnesses who also sign h	blic if within the U.	S.A. (b) a U.S. Consu	I if outside the U.S.A. If
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PATENT REEL: 026761 FRAME: 0921

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee. 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives. 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, FLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s) Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL)							
(12) Name(s) ef Inventor(s) (2) Agnes DUPONTFILIARD (3) Massimo GALDIERO (7) Emiliano MAIQNE Emiliano Auditano Emiliano Auditano (18) Insert Name of Ausignee (18) BIOMERIEUX (10) Ensert Emiliano (10) Ensert Emiliano Ensert Emiliano Ensert Address of Ausignee (11) Insert (11) Insert (11) AUTOMATED SYSTEM FOR THE LYSIS OF MICROORGANISMS PRESENT IN A SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE, FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SAMPILE FOR ENTRACTION AND FOR PURPICATION OF THE NUCLEIC ACIDS OF SA		Insert	. (1)	Patrick BROYER	(5)		nnes Maria
ed havester(e) (3) Massimo GALDIERO (7) Emiel Gereberri Marie VERWIMP In consideration of the sum of one dolier (31,00) and other good and valuable consideration paid each of the undersigned, each undersigned speces to session, and hereby done session, transfer and set or Assignee (89) Assignee (10) Assignee (10) Assignee (10) Chemin de L'Orme, F-69280 Marcy L'Etolie, FRANCE Chercinariter designated as the Assignee) and Assignee heirs, successors, sasigns and legal representatives the earlier right, tide and interest for the United States of Americas a effonce in 35 U.S. (10) to, the bevenice, and in all applications for patent industing any and all provisional, not-provisional, divisional, contentional, conformation, industriates and reviews application of a 35 U.S. (10) to, the bevenice, and in all applications to certificate the united States of America and the other observation, and in all applications for patent industing any and all provisional, not-provisional, divisional, contentions, resonance, resonance and resonance and the investion in the security of the centre right, tide and interest for the United States of America and the States of Signing of Application (12) on States of Signing of Application (12) on States of Signing of Application (12) on States of Signing of Application (13) U.S. application States in Number (13) U.S. application states application for the Invention and partners are to exceed all papers noceases in connection with any populations and operation and partners are to exceed a supplications of the Invention and partners are to exceed a supplications and partners are to exceed a supplications and partners are to exceed a supplications and pa	(1-8)	Name(s)	(2)	Agnes DUPONTFILLIARD	— (6)		DNE
(4) Michol GUY In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid each of the undersigned, each undersigned agrees to essign, and hereby does assign, runafire and set or Antigance of Antigance	• ,	of Inventor(s)	(3)		(7)		Maria
each of the undersigned, each undersigned agrees to essign, and hereby does assign, transfer and set or Assignee (19)			(4)	Michel GUY	— ₍₈₎	· · · · · · · · · · · · · · · · · · ·	<u> </u>
(18) Lasert Address of Assignee (19) Chemin de L'Orme, F-69280 Marcy L'Etoilé, FRANCE (hereinsfre designated as the Assignee) and Assignee's heirs, noncessors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. \$100, in the servetion, and in all applications for patter including any and all provisional, devisional, continuation, interesticans, continuation, substitute and visione application (s), and all Letters Petent, continuation, interesticans, continuation, substitute and visione application (s), and all Letters Petent, continuation, interesticans, continuation, substitute and visione application (s), and all Letters Petent, continuation, interesticans, continuation, substitute and visional, continuation, interesticans, continuation, substitute and visional, continuation, interesticans, continuation, substitute and visional process. Assignment of the continuation of the continuation and the continuation of	٠		each o				
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Identification such as Title, Case Number, or Fereign Application Number (Attorney Docket No. 149598 for which the undersigned has (have) executed an application for patent in the United States of America on even date between the undersigned has (have) executed an application for patent in the United States of America on even date between the undersigned has (have) executed an application for patent in the United States of America on even date between the undersigned has (have) executed an application for patent in the United States of America on even date between the undersigned patent in the United States of America on even date between the undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, end also to execute separate assignments in connection with such applications and patents as the Assignee any deem necessary; 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or centimation of division thereof, or any patent or reissue application have thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any ext which may be necessary in connection with example of the international Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to execute all papers and documents and perform any ext which may be necessary in connection with example and agreements. 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to liste any and all Letters Patents of the United States patent to the Assignee. 5) Each undersigned subnovies and requests the Commissioner of the U.S. Patent and Trademark Office for recordation of this document. 6			the entine	tire right, title and interest for the United S ion, and in all applications for patent inclu- uation, international, confirmation, substit	tates of a ding any ute and	America as defined in 3: and all provisional, no eissue application(s), a	5 U.S.C. §100, in the p-provisional, divisional, ad all Letters Patent,
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for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or (12) Insert Date of Signing of Application (12) on (13) Alternative (13) U.S. application Serial Number 13/129,997 [14] Identification for filed applications filed May 18, 2011 [15] Bach undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or relates applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications or continuation or division thereof, or any patent or relates application and any continuing, divisional or relates application or continuation or division thereof, or any patent or relates application based thereon, for the invention, and to cooperate with the Assignee in very way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the infrantational Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or recommission as great of a valid United States patent to the Assignee. 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(by to the said Assignee, as Assignee of the entire interest, and coverants that he had full reports the time set application of the interest is binding on him and his belief, successory, sasigns and legal representatives. 6) Each undersigned hereby grants the firm of OLUT a BERREDGE, FLC to power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark		•		SAID MICROORGANISMS FOR PUR	POSES	OF ANALYSIS	·
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on even date herewith or (12) Insert Date of Signing of Application (12) on (13) Alternative (13) U.S. application Scrial Number 13/129,997 Identifications for filed applications filed May 18, 2011 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or return applications and patents as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or relaxue application based thereon, for the lavention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the international Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain maintain or confirm by reissue or reexamination a great of a valid United States patent to the Assignee. 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interests, and coverants that he had negrees that this essignment is binding on him and his beirs, successors, assigns and legal representatives. 6) Each undersigned parts by grants the firm of OLUTY & BERRIDGE, Firc. the power to insert on this assignment and with the rules of the United States Patent and Trademark Office for recordation of this document. In witness whereof, excessed by the undersigned on the date(s) opposite the undersigned name(s) Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL)			-	-	an annli	cation for natent in the	United States of America
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Date Inventor Signature (SEAL)				e undersigned on the date(s) opposite	he and	rsigned name(s)	j
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Date Inventor Signature (SEAL)	_						1
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Date							
Date Inventor Signature (SEAL) Date Inventor Signature (SEAL)	_						
Date Inventor Signature (SEAL)	-						
This assignment should preferably be signed before: (a) a Notary Public if within the IIS A (b) a IIS Consul if carried the IIS A I	Date _						1
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AUGUST 02, 2011

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RECORDATION DATE: 08/01/2011

REEL/FRAME: 026687/0982

NUMBER OF PAGES: 6

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DOCKET NUMBER: 149598

ASSIGNOR:

BROYER, PATRICK

DOC DATE: 05/24/2011

ASSIGNOR:

DUPONTFILLIARD, AGNES

DOC DATE: 06/26/2011

96/24/2011

ASSIGNOR:

GALDIERO, MASSIMO

DOC DATE: 05/23/2011

ASSIGNOR:

GUY, MICHEL

DOC DATE: 05/24/2011

ASSIGNOR:

KREUWEL, HERMANUS JOHANNES MARIA

DOC DATE: 06/06/2011

P O. Box 1450, Alexandria, Virginia 22313-1450 - www userto gov

PATENT

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026687/0982 PAGE 2

ASSIGNOR:

MAIONE, EMILIANO DOC DATE: 05/23/2011

ASSIGNOR:

VERWIMP, EMIEL GEREBERN MARIA DOC DATE: 07/12/2011

ASSIGNEE:

BIOMERIEUX

CHEMIN DE L'ORME,

F-69280 MARCY L'ETOILE,, FRANCE

APPLICATION NUMBER: 13129997 FILING DATE: 05/18/2011

PATENT NUMBER: ISSUE DATE:

TITLE: AUTOMATED SYSTEM FOR THE LYSIS OF MICROORGANISMS PRESENT IN

A SAMPLE, FOR EXTRACTION AND FOR PURIFICATION OF THE NUCLEIC

ACIDS OF SAID MICROORGANISMS FOR PURPOSES OF ANALYSIS

LAZENA MARTIN, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT