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Patrick D Christoph Philippe	he Chaillou	Jean-Franco Sylvain Kar		UNIVERSIT 59655 Viller FRANCE	TE DES SCIENCES ET TE neuve d-Ascq Cédex	CHNIQUES DE LILL
Additional name(s)	of conveying party(ies)) attached? [] Yes ⊠ 1	Νο	DE LILLE 2 avenue Ose 59037 Lille (FRANCE		
 Nature of	conveyance: gnment rity Agreement	 Merger Change of 		,		
Execution Da	ite: February 10	<u>. 1997</u>				
4. Applicatio	on number(s) or	patent number(s):				
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 Name of co Patrick Du Christophe Philippe M 	e Chaillou	Jean-Francois Rouland Sylvain Karpf	2. Name and address of receiving UNIVERSITE DE LILLE II 52, rue Paul Duez 59800 Lille FRANCE	; party(ies):	
Additional name(s) or 3. Nature of c ☐ Assign		1? 🗀 Yes 🛛 No	Additional name(s) & address(es) attached?	Yes 🔯 No	
Securi	ity Agreement	Change of Name 3552/ Frame 0257			
Execution Date	e: February 10, 1997				
4. Application	n number(s) or patent	number(s):			
If this docu	ment is being filed to	gether with a new application, the	e execution date of the application i	s:	
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 Statement a To the best original do Michael B. Las 	t of my knowledge an cument.	d belief, the foregoing informatio	n is true and correct and any attach	ed copy is a true copy of the November 3, 1998	
Name of Perso	on Signing	Si	gnature Total number of pages including	Date cover sheet, attachments, and document: 8	
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INTERNATIONAL ASSIGNMENT TO CORPORATION

WHEREAS,

Inventor(s) Name, Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address Patrick Dubois residing at <u>134, rue de la Louvière, F-59800 Lille.</u>
 and a citizen of <u>FRANCE;</u>
 Jean-François Rouland, Residing at 32, rue Véronése = 59800 LILLE and a citizen of <u>FRANCE;</u>
 Christophe Chaillou residing at <u>53, rue Réaumur, F59800 Lille, FRANCE</u> and a citizen of <u>FRANCE;</u>

AND WHEREAS <u>UNIVERSITE DES SCIENCES ET TECHNIQUES DE LILLE</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>FRANCE</u>, and having an office and place of business at <u>59655 Villeneuve</u> <u>d'Ascq Cédex, France</u>

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Fatent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Patrick DUBOIS	10/2/97
Signature	Date
Jean-François ROULAND Signature	<u>/3 2 94</u>
Christophe CHAILLOU	Date Fib-10-97

Each inventor must sign & date

Note: No legalization or other witness required

INTERNATIONAL ASSIGNMENT TO CORPORATION

WHEREAS,

Inventor(s) Name, Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address 1. Sylvain Karpf residing at 4, rue Réaumur, F~59800 Lille, FRANCE and a citizen of FRANCE; 2. Philippe Meseure residing at 110, boulevard Vauban, F59800 Lille, FRANCE and a citizen of FRANCE; __ residing at __ 3. _____ and a citizen of _____;

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on _ for this invention, which application is entitled and which has been given Serial Number 08/732,405 and the filing date of 31 December 1996:

AND WHEREAS UNIVERSITE DES SCIENCES ET TECHNIQUES DE LILLE (herein called "ASSIGNEE"), a corporation organized under the laws of FRANCE, and having an office and place of business at 59655 Villeneuve d'Ascq Cédex, France

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Sylvain KARPF	02/10/97
Signature	Date
Philippe MESEURE P.W.X.	02/10/97
Signature	Date
Signature	Date

Each inventor must sign & date

Note: No legalization or other witness required

INTERNATIONAL ASSIGNMENT TO CORPORATION

WHEREAS,

Inventor(s) Name. Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address

1. <u>Patrick Dubois</u> residing at <u>134, rue de la Louvière, F-59800 Lille,</u> FRANCE and a citizen of FRANCE: 2. Jean-François Rouland, residing at 32; rue Véronése - F-59800 Lille and a citizen of FRANCE 3. Christophe Chaillou residing at 53, rue Réaumur, F59800 Lille, FRANCE and a citizen of FRANCE;

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on ____ for this invention, which application is entitled and which has been given Serial Number 08/732,405 and the filing date of 31 December 1996;

AND WHEREAS <u>UNIVERSITE DE LILLE II</u> (herein called "ASSIGNEE"), a corporation organized under the laws of FRANCE, and having an office and place of business at 52, rue Paul Duez, 59800 Lille, FRANCE

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor:

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

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IN TESTIMONY WHEREOF, THE UN on the dates indicated below.	DERSIGNED have hereunto set their hand
Patrick DUBOIS	10/2/07
Signature	Date
Jean-François ROULAND	10.02 97
Signature	Date
Christophe CHAILLOU	02-10 97 Ct-th-
Signature	Date

Signature

PATENT REEL: 9460 FRAME: 0843

Each inventor must sign & date

Note: No legalization or other witness required

INTERNATIONAL ASSIGNMENT TO CORPORATION

WHEREAS,

Inventor(s) Name, Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address

1. <u>Sylvain Karpf</u> residing at	4. rue Réaumur, F-59800 Lille, FRANCE
and a citizen of <u>FRANCE;</u>	
2. Philippe Meseure residing	at 110, boulevard Vauban, F59800 Lille, FRANCE
and a citizen of <u>FRANCE;</u>	
3 residing at	
and a citizen of;	

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on __________ for this invention, which application is entitled ________ and which has been given Serial Number <u>08/732,405</u> and the filing date of <u>31</u> <u>December 1996</u>;

AND WHEREAS <u>UNIVERSITE DE LILLE II</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>FRANCE</u>, and having an office and place of business at <u>52, rue Paul Duez, 59800 Lille, FRANCE</u>

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

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	IN TESTIMO	NY WHEREOF,	THE	UNDERSIGNED	have	hereunto	set	their	hand
on th	e dates indica	ited below.							

Sylvain KARPF	$l \leq 1$	02/10/9+	
Signature		Date	
Philippe MESEURE Q	Jarane	021/10/97	
Philippe MESEURE Signature	Har	Date	
مو المحمد المحمد المحم			

Each inventor must sign & date

Note: No legalization or other witness required

Signature

Date

INTERN | FIONAL ASSIGNMENT TO CORPORATION

WHEREAS,

December 1996;

Inventor(s) Name, Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address

AND WHEREAS <u>CENTRE HOSPITALIER REGIONAL ET UNIVERSITAIRE DE LILLE</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>FRANCE</u>, and having an office and place of business at <u>2 avenue Oscar</u> Lambret. 59037 Lille Cedex, France

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

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	UNDERSIGNED have hereunto set their hand
on the dates indigated below.	
Patrick DUBOIS	10/2/32
Signature	Date
Jean-François ROULAND	12L9L
Signature	Date 6
Christophe CHAILLOU	Feb-10.97 CF
Signature	Date

Each inventor must sign & date

Note: No legalization or other witness required

INTER: .. TIONAL ASSIGNMENT TO CORPORATION

WHEREAS,

Inventor(s) Name, Address, Citizenship

Date Patent Declaration Signed and Title Serial No. and filing date (if known)

Name of Corporation

State or Country of Incorporation and Address

1. <u>Sylvain Karpf</u> residing at <u>4. rue Réaumur, F-59800 Lille, FRANCE</u> and a citizen of FRANCE; 2. Philippe Meseure residing at 110, boulevard Vauban, F59800 Lille, FRANCE and a citizen of FRANCE; ____ residing at ____ 3. ____ and a citizen of ____;

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States on ___ for this invention, which application is entitled and which has been given Serial Number <u>08/732,405</u> and the filing date of <u>31</u> December 1996;

AND WHEREAS CENTRE HOSPITALIER REGIONAL ET UNIVERSITAIRE DE LILLE (herein called "ASSIGNEE"), a corporation organized under the laws of FRANCE, and having an office and place of business at avenue Oscar Lambret. 59037 Lille Cedex, France

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IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

MS_	102/10/97	
	Date	
PHexene	02110197	
	Date	
	Data	
	Plexine	Pheneme Clldel97

Each inventor must sign & date

Note: No legalization or other witness required

RECORDED: 06/02/1997