11-07-2002 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE SHEET (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office Υ. P08A/REV03 Tab settings → → and the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Pascal Chaux, Rosalie Luiten, Nathalie Demotte, Marie-Therese Duffour, Christophe Lurquin, Name: Ludwig Institute for Cancer Research Catia Traversari, Vincent Stroobant, Thierry Boon-Falleur, Address: 605 Third Avenue and Pierre van der Bruggen X Yes No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name City: New York State/Prov.: NY Country: USA Other ZIP: 10158 Execution Date: October 7, 8, 11, 14, 18 & 21/2002 Additional name(s) & address(es) ☐ No ☑ Yes 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Filing date B. Patent No.(s) Patent Application No. April 9, 1999 09/289,350 ☐ Yes 🗵 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Leopold Presser 7. Total fee (37 CFR 3.41):....\$ 40.00 Enclosed - Any excess or insufficiency should be 19,827 Registration No. credited or debited to deposit account Address: Scully, Scott, Murphy & Presser Authorized to be charged to deposit account 400 Garden City Plaza 8. Deposit account number: 19-1013/SSMP State/Prov.: NY City: Garden City (Attach duplicate copy of this page if paying by deposit account) ZIP: 11530 Country: USA DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information//s true and conject and any attached copy is a true copy of the original document. October 30, 2002 Leopold Presser Date Name of Person Signing 00000006 09289350 otal number of pages including cover sheet, attachments, and 1/07/2002 GTOH11 Mail documents to be recorded with required cover sheet information to: 40.00 DP

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REEL: 013459 FRAME: 0417

Docket No.: 11727Z

RECORDATION FORM COVER SHEET (CONTINUED)

1. Name of Conveying party(ies):

Guy R. Cornelis

2. Name and address of receiving party(ies):

Name:

Universite Catholique de Louvain

Address:

Halles Universitaires

Place de l'Universite 1

City:

Louvain-La-Neuve

Country:

Belgium

ZIP: 1348

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the undersigned, **Guy R. Cornelis**

Hereby sell, assign and transfer to

Université Catholique de Louvain Halles Universitaires Place de l'Université 1 1348 Louvain-La-Neuve Belgique

its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all improvements which are disclosed and claimed, and as possessed by the undersigned, any and all improvements which are disclosed but not claimed, in the application for United States Patent, which has been filed on April 9, 1999, under Serial No. 09/289,350 and is entitled

TUMOR ANTIGENS AND CTL CLONES ISOLATED BY A NOVEL PROCEDURE

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Authorize and request the Commissioner of Patents to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said improvements, or any of them, disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent for said improvements, or any of them; and may claim, in applications for said foreign Letters Patent, the priority of the aforesaid United States application under the provisions of the International Convention; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in

PATENT REEL: 013459 FRAME: 0419² good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal regresentatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is

possessed by the undersigned.

Cornelis

SS. OCT. SØBZ LOG. SZ REEL: 013459 FRAME: 0420

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, We, the undersigned, Pascal Chaux, Rosalie Luiten, Nathalie Demotte, Marie-Therese Duffour, Christopher Lurquin, Catia Traversari, Vincent Stroobant, Thierry Boon-Falleur and Pierre van der Bruggen

Hereby sell, assign and transfer to

Ludwig Institute for Cancer Research
605 Third Avenue
New York, New York 10158

a New York corporation, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all improvements which are disclosed and claimed, and as possessed by the undersigned, any and all improvements which are disclosed but not claimed, in the application for United States Patent, which has been filed on April 9, 1999, under Serial No. 09/289,350 and is entitled

TUMOR ANTIGENS AND CTL CLONES ISOLATED BY A NOVEL PROCEDURE and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements:

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Agree that said Assignee may apply for and receive foreign Letters Patent for said improvements, or any of them: and may claim, in applications for said foreign Letters Patent, the priority of the aforesaid United States application under the provisions of the International Convention: and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out

in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: October 14th, 2002	Pascal Chaux
Witness: Bisson Jean-François	Pina
Date:	Rosalie Luiten
Witness:	

Date:	
Witness:	
	Marie-Therese Duffour
Date:	
Witness:	
Date:	Christophe Lurquin
Witness:	
Date:	Catia Traversari
Witness:	
Date:	Vincent Stroobant
Witness:	
	Thierry Boon-Falleur
Date:	
Witness:	
Date:	Pierre van der Bruggen
Witness:	

Nathalie Demotte

DOCKET NO.: 117272

assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, We, the undersigned, Pascal Chaux, Rosalie Luiten, Nathalie Demotte, Marie-Therese Duffour, Christopher Lurquin, Catia Traversari, Vincent Stroobant, Thierry Boon-Falleur and Pierre van der Bruggen

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Ludwig Institute for Cancer Research 605 Third Avenue New York, New York 10158

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Date: 8 October 1002	Pascal Chaux
Witness:	
Date: 8 OCTOBER 1001 Witness:	Rosalia Luitan

.0TT.2002 17:43 GENERA SPA NR.250 P.2

DOCKET NO.: 11727Z

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, We, the undersigned, Pascal Chaux, Rosalie Luiten, Nathalie Demotte, Marie-Therese Duffour, Christopher Lurquin, Catia Traversari, Vincent Stroobant, Thierry Boon-Falleur and Pierre van der Bruggen

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	Pascal Chaux
Date:	
Witness:	
	Rosalie Luiten
Date:	•
Witness:	

	Nathalie Demotte
Date:	
Witness:	
	Marie-Therese Duffour
Date:	
Witness:	
	Christophe Lurquin
Date:	CHITECOPHS Durduin
Witness:	_
	loatia Chaversoni
- 100 Tobac 2002	Catia Traversari
Date: 20 October 2002 Witness: Savio Collago	
Witness: 2000 Coldowollo	
	Vincent Stroobant
Date:	vincent stroopent
Witness:	
- .	Thierry Boon-Falleur
Date:	
Witness:	
Date:	Pierre van der Bruggen
Withous.	

ASSIGNMENT

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	Pascal	Chaux
Date: _		
Witness:		
	Rosalie	Luiten
Date:		
Witness:		

PATENT_{Z002}·100·ZZ REEL: 013459 FRAME: 0430 Nathalie Demotte

,		Nathalie Demotte
Date:	22/10/2002	
Witness:	JENNY BROVET	
		Marie-Therese Duffour
Date:		
Witness:		A. collect
Date: <u>A</u> Witness	SENNY BROVET	Christophe Lunquin
Date:		Catia Traversari
Witness:		
Date: Witness:	2111012002 JENNY BROVET	Vincent Stroobant
Date:	JENNY BROVET 21/10/2002	Thierry Boon-Falleur 22/10/2002 Pierre van der Bruggen
Date: _		

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Witness: |



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PATENT

REEL: 013459 FRAME: 0432

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, We, the undersigned, Pascal Chaux, Rosalie Luiten, Nathalie Demotte, Marie-Therese Duffour, Christopher Lurquin, Catia Traversari, Vincent Stroobant, Thierry Boon-Falleur and Pierre van der Bruggen

Hereby sell, assign and transfer to

Ludwig Institute for Cancer Research 605 Third Avenue New York, New York 10158

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TUMOR ANTIGENS AND CTL CLONES ISOLATED BY A NOVEL PROCEDURE

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	Pascal Chaux
Date:	
Witness:	
	Rosalie Luiten
Date:	
Witness:	

Date:	
Witness:	
Date: 08/October/2002 Witness: A. BOYER ROMAN	Marie-Therese Duffour
Date:	Christophe Lurquin
Witness:	
Date:	Catia Traversari
Witness:	
	Vincent Stroobant
Date:	
Witness:	
Date:	Thierry Boon-Falleur
Witness:	
Date:	Pierre van der Bruggen

Nathalie Demotte

Witness:

PATENT
RECORDED: 10/30/2002 REEL: 013459 FRAME: 0436