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	REC O	9-15-2004				
To The Honorable Commissioner	of Patents and T		al documents or copy thereof.			
To the Honorable Commissioner of Fatents and 1		02836669	iving party(ies):			
Luigi Grasso	August 26, 2004	Name: Morphotek,	Inc. 14.80			
First Assignor	Date of Execution	Street Address: 210 Welsh Pool Road				
Nicholas C. Nicolaides Second Assignor	August 26, 2004 Date of Execution	City: Exton	9587 10/9			
Philip M. Sass Third Assignor	August 26, 2004 Date of Execution	State: Pennsylvania	ZIP: 19341			
Time Assignor	Date of Enventor	Additional name(s) & address attached? YES NO				
		3. Nature of Convey	3. Nature of Conveyance (check only one):			
Additional name(s) of conveying party(ies)	attached?					
		Î				
	2.2					
1043	3034		9-2-04			
4. Identification of Application no	ımber(s), patent number(s) (OR date of execution of a	pplication to which assignment refers:			
Application Nos.:	Patent Nos.:		Date application was signed by the first named executing inventor August 26, 2004 (Fill-in this date only if assignment is filed			
	ļ					
		together with a new application)				
5. Name and address of party to v concerning documents should be a		6. Total number of a	6. Total number of applications and patents involved: 1			
Name: Felicity E. Groth		7. Total fee (37 CFF	7. Total fee (37 CFR 3.41): \$40.00 ☐ Enclosed ☐ Authorized to be charged to Deposit Account Number 23-3050			
WOODCOCK WASHBURN LLI	?					
One Liberty Place - 46th Floor Philadelphia, Pennsylvania 19103	3-7301	<u> </u>				
215-568-3100		8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050				
		Deposit Account	Deposit Account Number 23-3050			
DO NOT USE THIS SPACE						
9. Statement and signature. To the best of my knowledge and	belief, the foregoing inforn	nation is true and correct	t and any attached copy is a true copy of the			
original document. Felicity E. Groth/Registration No. 47,042 Felicity E. Groth/Registration No. 47,042 September 2, 2004						
Felicity E. Groth/Registration No. 47,042 September 2, 2004 Name of Person Signing/Reg. No. Signature Date						
Total number of pages including cover sheet, assignment document and additional pages attached thereto: 4						
Mail documents to be recorded with required cover sheet information to:						
07/2004 HVU0NG1 00000034 10933034 Mail Stop Assignment Recordation Services Commissioner for Patents						
F0.2021 4						

PATENT REEL: 015811 FRAME: 0783 DOCKET NO.: MOR-0247 PATENT
Joint Inventors/Contributors

(Provisional Application; Application No. Known)

ASSIGNMENT

WHEREAS, we Luigi Grasso, residing at 707 Conshohocken State Road, Bala Cynwyd, Pennsylvania 19004, Nicholas C. Nicolaides, residing at 4 Cider Mill Court, Boothwyn, Pennsylvania 19061, Philip M. Sass, residing at 1903 Black Hawk Circle, Audubon Pennsylvania 19403 hereinafter referred to as the assignors, are the joint inventors and/or contributors of certain inventions or improvements for which we have filed a provisional application in the United States Patent and Trademark Office, identified as Application No. MOR-0247, filed September 3, 2003, entitled Genetically Altered Antibody-Producing Cell Lines With Improved Antibody Characteristics; and

WHEREAS, Morphotek, Inc. hereinafter referred to as the assignee, of 210 Welsh Pool Road, Exton, Pennsylvania 19341, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said provisional application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, effective as of September 3, 2003, the entire right, title and interest in and to said inventions or improvements and said provisional application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment. sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said provisional application and said corresponding patent application(s) and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said

PATENT REEL: 015811 FRAME: 0784

Joint Inventors/Contributors

provisional application, said corresponding patent application(s) and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on any applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any corresponding patent application(s) aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

AUGUST 26, 2004	(L.S.)
Date	Luigi Grasso
STATE OF <u>Pennsylvan</u>	THOMAS W. APPLE. NOTARY PUBLIC
COUNTY OF Chester	: SS THOMAS W. APPLE, NOTARY PUBLIC WEST WHITELAND TWP., CHESTER COUNTY MY COMMISSION EXPIRES JULY 18, 2007
On this 26th	day of <u>Augus</u> , year of 2004, before me personally came the
	to me personally known and known to me
	o executed the foregoing assignment, and who acknowledged to
	e was of that person's own free will for the use and purposes
herein set forth.	THOMAS W. APPLE, NOTARY PUBLIC WEST WHITELAND TWP., CHESTER COUNTY MY COMMISSION EXPIRES JULY 18, 2007
	Notary Public

PATENT

REEL: 015811 FRAME: 0785

DOCKET NO.: MOR-024	7 - 3 - PATENT Joint Inventors/Contributors
S/26/04 Date	Mcholas C. Nicolaides (L.S.)
STATE OF <u>Pennsylvan</u> COUNTY OF <u>Chester</u>	NOTARIAL SEAL THOMAS W. APPLE, NOTARY PUBLIC SS WEST WHITELAND TWP, CHESTER COUNTY MY COMMISSION EXPIRES JULY 18, 2007
o de the same individual who	day of August, year of 2004, before me personally came the Nicolaines to me personally known and known to me executed the foregoing assignment, and who acknowledged to was of that person's own free will for the use and purposes THOMAS W. APPLE NOTARY PUBLIC WEST WHITELAND-TWP. CHESTER COUNTY MY COMMISSION EXPIRES JULY 18, 2007 Notary Public

DOCKET NO.: MOR-0247	-4-	Joint I	PATENT nventors/Contributors
26 Aug 04 Date	Philip M. Sass	Som	_(L.S.)
STATE OF PENNSYLVANI	: SS MY	NOTARIAL SEAL HOMAS W. APPLE, NOTARI T WHITELAND TWP., CHEST COMMISSION EXPIRES JUL	PUBLIC ER COUNTY Y 18, 2007
on this ach above named Philip M. St to be the same individual who me that execution of the same therein set forth.	executed the foregoing was of that person's THOMAS WEST WHITE MY COMMINICATION TO THE PROPERTY OF THE PROPERTY	ng assignment, ar	d who acknowledged to the use and purposes

RECORDED: 09/02/2004

PATENT REEL: 015811 FRAME: 0787