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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

M&G-11613.56USI1 To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Government of the United States Javed Khan 10-8-02 Represented by the Secretary, Department of Markus Ringnér Health and Human Services Carsten Peterson Washington, D.C. 20231 Paul Meltzer Additional name(s) of conveying party(ies) attached? 

Yes 

No 3. Nature of conveyance: Assignment Merger Change of Name Security Agreement Other: Execution Date: July 16, 2002; September 27, 2002; October 1, 2002 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 10/159,563 Additional numbers attached? 
Yes No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Anna M. Nelson Enclosed Name: Authorized to be charged to deposit account Merchant & Gould P.C. Address: P.O. Box 2903 Minneapolis, MN 55402-0903 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725 PATENT TRADEMARK OFFICE DO NOT USE THIS SPACE 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. October 3, 2002 Anna M. Nelson Name of Person Signing Total number of pages including cover sheet, attachments, and document: 10 Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

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Director - U.S. Patent and Trademark Office
Washington, D.C. 20231

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10/11/2002 RAMED1 00000130 10159563 01 FC:581 40.00 OP

## **ASSIGNMENT**

WHEREAS, we, Javed Khan, residing at Derwood, MD; and Paul Meltzer, residing at Rockville, MD, employees of the Department of Health and Human Services, and Markus Ringnér, residing at Lund, Sweden; and Carsten Peterson, residing at Lund, Sweden; have invented SELECTIONS DIAGNOSIS
OF GENES AND METHODS OF USING THE SAME FOR DIAGNOSING AND FOR TARGETING THE THERAPY OF SELECT CANCERS for which we have made application for Letters Patent of the United States Serial No. 10/159,563, filed May 31, 2002; and

WHEREAS, we are applicants named in the above-mentioned application for Letters Patent; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph°1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States is desirous of acquiring all domestic and foreign right, title, and interest in the above-mentioned invention described in the application for Letters Patent; and

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to said invention in the U.S. and within each and every foreign country in which the Government elects to file and the entire right, title, and interest in and to such applications, and any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights as may be filed in the U.S. and foreign countries, and such Letters Patent as may be granted to be held by the Government to the end of the term for which the same would have been held by the inventors had this assignment not been made.

We further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist the Government in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by the Government.

REEL: 013370 FRAME: 0121

IN TESTIMONY WHEREOF, I I	have hereunto set my hand this
September, 2002.	have hereunto set my hand this day of
	Javed Khan
STATE OF Montager ) ss.	
COUNTY OF Montgoweng )	
On this 27 day of Sept	, 2002, before me personally appeared Javed Khan to
me known and known to me to be the person described	ribed in and who executed the foregoing instrument,
and he duly acknowledged to me that he executed	the same for the uses and purposes therein set forth.
[SENTIARIE HIRS CL. TIME	Mare Huscl Notary Public
OF MARTINIAN IN TESTIMONY WHEREOF, I	have hereunto set my hand this day of
	Markus Ringn r
	-
STATE OF) ss.	
COUNTY OF	
	, 2002, before me personally appeared Markus
Ringn r to me known and known to me to be the p	person described in and who executed the foregoing
instrument, and he duly acknowledged to me that set forth.	he executed the same for the uses and purposes therein
[SEAL]	Notary Public

	IN TESTIN		r, I have hereunto set my hand this day of
CTATE OF		,	Carsten Peterson
STATE OF COUNTY OF		) ss. )	
			, 2002, before me personally appeared Carsten
			the person described in and who executed the foregoing hat he executed the same for the uses and purposes therein
[SEAL]			Notary Public
	IN TESTIN	10NY WHEREO! _, 2002.	F, I have hereunto set my hand this day of
			Paul Meltzer
STATE OF		) ss. ) )	
	nd known to	me to be the perso	, 2002, before me personally appeared Paul Meltzer on described in and who executed the foregoing instrument, uted the same for the uses and purposes therein set forth.
[SEAL]			Notary Public

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REEL: 013370 FRAME: 0124

o me known and known to me to be the personstrument, and he duly acknowledged to me nerein set forth.  SEAL]	Javed Khan
On this day of o me known and known to me to be the persustrument, and he duly acknowledged to me herein set forth.  SEAL]	
On this day of o me known and known to me to be the personstrument, and he duly acknowledged to me herein set forth.  SEAL]	
o me known and known to me to be the personstrument, and he duly acknowledged to me nerein set forth.  SEAL	
nstrument, and he duly acknowledged to me nerein set forth.	, 2002, before me personally appeared Javed Kha
SEAL]	son described in and who executed the foregoing
SEAL]	that he executed the same for the uses and purposes
	Notary Public
IN TESTIMONY WHEREO	F, I have hereunto set my hand this Tucs day of  Markus Ringnér
	Markus Ringnér (
TATE OF SWEDEN)	
OUNTY OF ) ss.	
OUNTE OF	
	7. 1. 2002 by Communication and Market
	July, 2002, before me personally appeared Markus the person described in and who executed the foregoing
	that he executed the same for the uses and purposes
nerein set forth.	that he exceeded the same for the uses and purposes
· Marine	
SEAL]	(A) R = 0
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Jul	y 16,	2002.		
•			Carota Pel	
			Carsten Peterson	ecom
ΓATE OF	Sweden	)		
	Sweden	) ss.		
OUNTY OF	` <u> </u>	)		
	On this <u>16th</u>	_ day ofj	uly, 2002, before me personally	appeared Carsten
eterson to me	e known and kno	own to me to b	be the person described in and who ex	ecuted the foregoing
strument, an	d he duly ackno	wledged to me	e that he executed the same for the use	es and purposes
erein set for	th.			
			16 12 -	
SEAL]	American Company		Ndraw Public	D 606/02
	ALL AND		Nøtary Public Ylva Brämberg	Dno 606/02 Fee SEK 200
		NY WHEREC 2002.	OF, I have hereunto set my hand this _	day of
			Paul Meltzer	
TATE OF _		)		
OUNTY OF		) ss.		
	On this	_ day of	, 2002, before me personally	appeared Paul
eltzer to me	known and kno	wn to me to be	e the person described in and who exe	cuted the foregoing
strument, an erein set fort	•	wledged to me	e that he executed the same for the use	es and purposes
SEAL]				
			Notary Public	

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REEL: 013370 FRAME: 0127

	IN TESTIN	IONY WHEREO	F, I have hereunto set my hand this	day of
		_, 2002.		
			I J.VI	
			Javed Khan	
STATE OF		)		
STATE OF		) ss. )		
	On this	day of	, 2002, before me personally app	eared Javed Khan t
me known and k	nown to me	to be the person	described in and who executed the foreg	oing instrument,
and he duly ackn	owledged t	o me that he exec	uted the same for the uses and purposes	therein set forth.
[SEAL]				
			Notary Public	
	IN TESTIM	ONY WHEREO	F, I have hereunto set my hand this	day of
		_, 2002.		
			Markus Ringn r	
STATE OF		)		
		) ss.		
COUNTY OF _		)		
	On this	day of	, 2002, before me personally app	secred Morlays
_			the person described in and who execute	
-	ie duly acki	nowleaged to me t	that he executed the same for the uses ar	id purposes therein
set forth.				
ron a i i				
[SEAL]			Notary Public	

		ONY WHEREOF _, 2002.	F, I have hereunto set r	ny hand this day of
			Carsten Peterson	
STATE OF	1.311.13	)		
STATE OF		) ss. )		
	On this	day of	, 2002, before r	ne personally appeared Carsten
			_	n and who executed the foregoing
	i he duly ack	nowledged to me t	hat he executed the sar	me for the uses and purposes therein
set forth.				
[SEAL]				
[02.12]			Notary Public	
0 21			F, I have hereunto set I	my hand this day of
<u> </u>	<u>w</u>	_, 2002.	Paul Meltzer	Melf
STATE OF A	ABY IAM	<i>yol</i> )		V
STATE OF A	mon7go	) ss. <u>m t (</u> )		
	On this/	s7 day of 0070	<u>06ER</u> , 2002, before 1	ne personally appeared Paul Meltzer
to me known a	nd known to	me to be the perso	n described in and who	executed the foregoing instrument,
and he duly ac	knowledged	to me that he execu	uted the same for the u	ses and purposes therein set forth.
[SEAL]			Notary Public	EXP. 7/17/2005

**RECORDED: 10/08/2002**