Form PTO-1595 (Rev. 03-09) OMB No. 0651-0027 (exp. 03/31/2009)

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Name of conveying party(les)	2. Name and address of receiving party(ies)			
Douglas Ross, L. Austin Doyle, Lynne Abruzzo	Name: University of Maryland, Baltimore			
Douglas Ross, E. Austin Doyle, Lynne Apruzzo	Internal Address: Office of Research and Development			
Additional name(s) of conveying party(les) attached? Yes X No.				
3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>August 10, 2001, August 22, 2001</u>	Street Address: 620 W. Lexington Street, 4th floor			
Assignment Merger				
Security Agreement Change of Name	City: Baltimore			
Joint Research Agreement	State: Maryland			
Government Interest Assignment	Canada			
Executive Order 9424, Confirmatory License	Country: U.S.A. Zip: 21201			
Other	Additional name(s) & address(es) attached? Yes X No			
4. Application or patent number(s): A. Patent Application No.(s)	document is being filed together with a new application. B. Patent No.(s)			
12/060,738	7,741,445			
Additional numbers att	ached? Yes XNo			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: Gail Knott				
Internal Address: University of Maryland, Baltimore	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00			
Office of Research and Development	[SZ] A # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
-	Authorized to be charged to deposit account			
Street Address: 620 W. Lexington Street, 4th floor	EnclosedNone required (government interest not affecting title)			
City: Baltimore	8. Payment Information			
State: Maryland Zip: 21201				
Phone Number: 410-706-2380				
Fax Number: 410-706-1066	Deposit Account Number 21-0684			
Email Address: <u>qknot001@umaryland.edu</u>	Authorized User Name_Gall Knott			
9. Signature:	14			
Signature	June 30, 2010 Date			
Gail Knott	Total number of pages including cover			
Name of Person Signing	sheet, attachments, and documents:			

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PATENT REEL: 024630 FRAME: 0173

ASSIGNMENT

UMB Docket Number: 1457RD

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to Douglas D. Ross, Lynne V. Abruzzo, L. Austin Doyle, the undersigned hereby sell and assign to the University of Maryland, Baltimore, a constituent institution of the University System of Maryland, an agency of the State of Maryland, having an address at 520 West Lombard Street, Baltimore, MD 21201-1627 (assignee), their entire rights, titles and interests

- [X] for the United States of America (as defined in 35 U.S.C. §100)
- [X] and throughout the world,

in the invention known as Breast Cancer Resistance Protein and the DNA Which Encodes It, for which applications for patent were made in the United States of America as follows:

File Date	Serial Number	Type of Application
February 5, 1998	60/073,763	U. S. provisional application
February 5, 1999	09/245,808	U.S. non-provisional application
February 5, 1999	PCT/US99/02577	International application

and in any and all non-provisionals and/or PCT applications and/or foreign applications thereon, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent and divisionals and the continuing applications thereof to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this Assignment and sale not been made.

The undersigned agree to execute all papers necessary in connection with the application, nonprovisionals and/or PCT applications and/or foreign applications, and any continuing, divisional, reissue, reexamination or corresponding applications thereof and also to execute separate Assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference that may be declared concerning the application or any non-provisional, continuing, divisional, reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represent that undersigned have full right to convey undersigned's entire interest herein assigned, and that undersigned have not executed and will not execute any agreement in conflict therewith.

> **PATENT** REEL: 024630 FRAME: 0174

UMB Docket Number: 1457RD

IN WITNESS WHEREOF, executed by the under	rsigned on th	e date opposite t	heir names:	
Signature: Vy V V V V V V V V V V V V V V V V V V	Date: Residence yland	<u>% - /と - 〇</u> :: <u>6114-Camp Fi</u> Zip: <u>21045</u>	re <u>Campfi</u> re -4014	S-6
State of Marghaull City of/County of Mail timen		∕ ~3		
Subscribed and sworn to before me this	day of, N	otary Public DO xccution ander 35 U.S.C	POTHY S. DOEP! Notary Public Conformation Maryland Maryland)]. (E /4/02-
Signature: L. Questin Doyle Name: L. Austin Doyle City: Silver Spring State: Mary	YZASITICITAL	(2/10/07/07/25/25/25/25/25/25/25/25/25/25/25/25/25/	Road	Mark Construction
State of Mary Care City of County of Salt County Subscribed and sworn to before me this	day of	Ones	~ (^j - 200	. 1
	N	ATTOR Public	THY S. DOEPKE Park Public SHObilimore Maryland	2
Signature: Name: Lynne V. Abruzzo City: Houston State: Texa	Date: Residence:	4807 Pin Oak P Zip: <u>77081-</u>	ark #193 2213	¥erener €
State of City of/County of				
Subscribed and sworn to before me this				1.
Legalization-notarization not required for recording but is primer for	No	etary Public	§ 261).	
Ross: 1457DR: Patent: 1457DR: Accion				

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PATENT

REEL: 024630 FRAME: 0175

UMB Docket Number: 1457RD

Signature:	Date: Residence: 6114 Camp Fire	
Name: <u>Douglas D. Ross</u> City: <u>Columbia</u> State: <u>Ma</u>	Residence: 6114 Camp Fire	····
State: Ma	Zip: <u>21045-4014</u>	
State of		
State of City of/County of	• -	
Subscribed and swom to before me this	day of	, 2001
Legalization-notarization not required for recording but is prin	, Notary Public	
\$4 \$5\$ \$7.0\$		
Signature:	Date:	
Name: <u>L. Austin Doyle</u>	Residence: 9508 Clement Road	
City: Silver Spring State: Man	ryland Zip: 20910	
State of		
State ofCity of/County of		
Subscribed and swom to before me this		, 2001
Legalization-notarization not required for recording but is prim		
Legalization-notarization not required for recording but is prim	14 facie evidence of execution under 35 U.S.C. § 261).	
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Signature: Synne V. Ohrugas	Date: Que 22, 2001	
Name: Lynne V. Abruzzo	Residence: 4807 Pin Oak Park #19	<u></u>
	Xas Zip: 77081-2213	<u> </u>
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State of Toyas City of/County of Alanan		
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ubscribed and swom to before me this <u>QQn</u>	d day of August	,2001.
		, 2001.
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Nota D. 1.1:	
Legalization-notarization not required for recording but is prima	, Notary Public	

