04-18-2002 U.S. DEPARTMENT OF COMMERCE FO:-M PTO-1595 (Modified) SHEET (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) Y P08A/REV03 102060289 Tab settings → → To the Honorable 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): John D. Schuetz 4-2-02 Name: St. Jude Children's Research Hospital Address: 332 North Lauderdale Street ☐ Yes 🛣 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: ☐ Merger Assignment City: Memphis State/Prov.: TN ☐ Security Agreement ☐ Change of Name Country: US ZIP: 38105 Other \_ Execution Date: February 27, 2002 ☐ Yes Additional name(s) & address(es) 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: B. Patent No.(s) Filing date Patent Application No. 09/281.646 March 31, 1999 ☐ 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: Jane Massey Licata 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 32,257 ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Licata & Tyrrell P.C. Authorized to be charged to deposit account 66 East Main Street 8. Deposit account number: 50-1619 City Marlton State/Prov.: NJ (Attach duplicate copy of this page if paying by deposit accumnt) ZIP: 08053 Country: US 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 trace of of the original document. 2002 March 28 Jane Massey Licata, Reg. No. 32,257 Name of Person Signing Date Signature Total number of pages including cover sheet, attachments, and Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231 REEL: 012792 FRAME: 0147

Docket No.: SJ-0020

Attorney Docket No.: SJ-0020

## ASSIGNMENT

WHEREAS, we, John D. Schuetz, and Arnold Fridland hereinafter referred to as the assignors, residing respectively at 1442 Carr Avenue, Memphis, TN 38104, and 1620 Carr Avenue, Memphis, TN 38104 are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. 09/281,646, filed March 31, 1999, entitled Multidrug Resistance Associated Proteins and Uses Thereof; and

WHEREAS, St. Jude Children's Research Hospital, hereinafter referred to as the assignee, of Memphis, Tennessee, a corporation of Tennessee, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, 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 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, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, 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 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 application and said Letters Patent to said

PATENT REEL: 012792 FRAME: 0148 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 application 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 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 the application aforesaid, in accordance with the terms of this assignment.

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

JO	(L.S.)
	NOLD FRIDLAND
WHERE INVENTORS SIGN BEFOR	
COUNTY OF:	SS
personally came the above note to me personally known and who executed the foregoing	day of, 2002, before me amed <u>John Schuetz and Arnold Fridland</u> known to me to be the same individual assignment, and who acknowledged to me was of that person's own free will for n set forth.
	Notary Public

[WHERE INVENTORS SIGN BEFORE SEPARATE NOTARIES:]
iennessee :
county of Shelby:
On this <u>17</u> day of <u>February</u> , 2002, before me personally came the above named <u>John Schuetz</u> to me personally know and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use an purposes therein set forth.
Notary Public MI COMMISSION EXPIRES
Notary Public MY COMMISSION EXPIRES Oct. 15, 2003
[WHERE INVENTORS SIGN BEFORE SEPARATE NOTARIES:]
<u>.</u>
SS
COUNTY OF:
On this

- 3 -

Notary Public

**PATENT** REEL: 012792 FRAME: 0150

**RECORDED: 04/02/2002**