PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Katherine L. Pogue-Geile	03/25/2008
David C. Whitcomb	10/03/2007

RECEIVING PARTY DATA

Name:	University of Pittsburgh
Street Address:	200 Gardner Steel Conference Center
Internal Address:	Thackeray and O'Hara Streets
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15260

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11840112

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Paula A. Borden

Total Attachments: 2

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PATENT REEL: 020714 FRAME: 0985 MAR. 26. 2008 4:00AM

NO. 851 P. 2

ASSIGNMENT OF APPLICATION (JOINT)

Atty Docket No. UWTT-013

THIS ASSIGNMENT, by Katherine L POGUE-GEILE and David C. WHITCOMB, (hereinafter referred to as the assignors), residing in Pittsburgh, Pennsylvania and Allison Park, Pennsylvania respectively, witnesseth:

WHEREAS, the said essignors have invented certain new and useful improvements in:

"COMPOSITIONS AND MRTHODS FOR DETECTING CANCER"

<u>_xx</u> _	filed on August 16, 2007 as U.S. Application Script No. or PCT informational Application No. 11/840.112 designating the
	United States.
-	for which an application for a United States Patent was executed on, and

WHEREAS, University of Pittsburgh — Of the Commonwealth System of Higher Education, a non-profit corporation — organized and existing under the laws of the Commonwealth of Pennsylvania, with an office at 200 Gardner Steel Conference Center, Thackeray and O'Hara Stroets, Pittsburgh, Pennsylvania, 13260 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, anto the assignee, its successors, legal representatives and assigns, all of their right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the international Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby governant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, that said assigners will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, that said assigns will, whenever counsel of said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assignee, its successors, legal representatives and assignee, assignee, its successors, legal representatives and assignee.

AND said assignors hereby request the Commissioner of Patents to issue said Lotters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

Date 3-25-08	Name of Inventor Katherine L. POGUE-GEILE	
Date	Name of Inventor	

ASSIGNMENT OF APPLICATION (JOINT)

Atty Docket No. UWTT-013

THIS ASSIGNMENT, by Katherine L POGUE-GEILE and David C. WHITCOMB, (hereinafter referred to as the assignors), residing in Pittsburgh, Pennsylvania and Allison Park, Pennsylvania respectively, witnesseth:

	WHERE	AS, the said assignors have invented certain new and useful improvements in:
		"COMPOSITIONS AND METHODS FOR DETECTING CANCER"
## Titled on August 16, 2007 as U.S. Application Serial No. or PCT International Application No. 11/840.112 designating the United States. ### To which an application for a United States Patent was executed on, and ### The August 16, 2007 as U.S. Application Serial No. or PCT International Application No. 11/840.112 designating the United States. ### WHEREAS, University of Pittsburgh — Of the Commonwealth System of Higher Education, a non-profit corporation organized and existing under the laws of the Commonwealth of Pennsylvania, with an office at 200 Gardner Steel Conference Center Thackeray and O'Hara Streets, Pittsburgh, Pennsylvania, 15260 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon: **NOW THEREFORE,** for good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors har sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, leg representatives and assigns, all of their right, title and interest in and to the above-mentioned invention, application for Letters Patent, at any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereo and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letter Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held at enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, that the time of execution and delivery of these presents, no assignment, sale, agreement or encumbran has been or will be made or entered int		
ĺ	representatives ap-	d assigns.
	AND sail	d assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal

C representatives and assigns.

Date	Name of Inventor
	Ketherine L. POGUE-GEILE
Date Oct 3, 2007	Name of Inventor — Bavid C. WHITCOMB

PATENT REEL: 020714 FRAME: 0987