## 502520869 10/04/2013

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
JEFFREY B. BARBER	09/23/2013
JAMES C. WEATHERALL	09/23/2013

## RECEIVING PARTY DATA

Name:	BATTELLE MEMORIAL INSTITUTE
Street Address:	505 KING AVENUE
City:	COLUMBUS
State/Country:	ОНЮ
Postal Code:	43201

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14008800

## CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: DIEDERIKS & WHITELAW, PLC Address Line 1: 13885 HEDGEWOOD DRIVE

Address Line 2: SUITE 317

Address Line 4: WOODBRIDGE, VIRGINIA 22193

ATTORNEY DOCKET NUMBER:	BMI024US
NAME OF SUBMITTER:	NICHOLAS S. WHITELAW
Signature:	/Nicholas S. Whitelaw/
Date:	10/04/2013

Total Attachments: 2

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> PATENT REEL: 031344 FRAME: 0619

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#### ASSIGNMENT

	WHEREAS, I (we), Jeffrey B. Barber and James C. Weatherall se post office address(es) appear(s) below, hereinafter referred to as ASSIGN useful improvements in Development of a Contrast Phantom for Active Mi	
(hereinaf	inafter referred to as the INVENTION) for which an application for United executed on even date herewith	
ᆸ	executed on:	
$\boxtimes$	filed on: Serial No. established by PCT International Patent Application No.: PCT/US2012, Filed: March 29, 2012	/031178

#### WHEREAS, BATTELLE MEMORIAL INSTITUTE

Whose post office address is 505 King Avenue, Columbus, OH 43201-2693
Hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said INVENTION and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to the said INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said INVENTION.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNOE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this agreement and sale not been made.

ASSIGNOR authorizes any member of DIEDERIKS & WHITELAW, PLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assignor Name  Jeffrey B. Barber  Address 1205 Bucks Run		
Where Signed Vineland, NJ 08360 STATE: NEW YEASEY COUNTY: ATLANTIC		
COUNTY ATLANTER		
Date 09/23/2013	Signature 2	
	(Notarization preferred but not required)	
	58.	
Before me personally appeared SEFFREY B. BA	and acknowledged this instrument to be his (her) free act and deed this	
38 day of 5687614BER 20 13.	Notary Public BETTY ANN SMITH  My commission expires Not Public  State A La V  page(s) for additional joint assignees My Commission (March 13, 2016)	
	My commission expires Not Public State 2 M John V	
☒ See following p	page(s) for additional joint assignees My Commission < \$1 aneul3, 2016	

PATENT REEL: 031344 FRAME: 0620

# DESIGN - WORLD-NOTARIZATION Any Dochet:BMI024US

Assignor Name James C. Weatherall	Address 12 Dawn Drive	
Where Signed	Linwood, NJ 08221	
STATE: NEW GERSEY COUNTY: ATLANTE		
Date	Signature 7	
09/23/2013	Jan ( Hent	
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SS	(Notarization preferred but not required)	
		The state of the s
23 Ed day of SEATENBEL 2013.	Notary Public BETTY ANN SM  My commission expres Notary Public	TH §
	State of New Jerse  My Commission Expires March	
Assignor Name	Address 200000000000000000000000000000000000	
Where Signed		
Date	Signature	
	(Notarization preferred but not required)	
Ss.	• •	
Before me personally appeared	and acknowledged this instrument to be his (her) free act and	
day of	Notary Public	
	My commission expires	
Assignor Name	Address	
Where Signed		
Date	Signature	
	(Notarization preferred but not required)	
Before me personally appeared	and acknowledged this instrument to be his (her) free act and	
day of		
	Notary Public	
	My commission expires	
See following page(s) for	or additional joint assignees	

PATENT REEL: 031344 FRAME: 0621

**RECORDED: 10/04/2013**