504869596 04/16/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WOLFGANG REHWALD	04/13/2018

RECEIVING PARTY DATA

Name:	SIEMENS MEDICAL SOLUTIONS USA, INC.
Street Address:	40 LIBERTY BOULEVARD
City:	MALVERN
State/Country:	PENNSYLVANIA
Postal Code:	19355

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15571633

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: OLIVE LAW GROUP

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ATTORNEY DOCKET NUMBER:	210-67-UTIL
NAME OF SUBMITTER:	BENTLEY J. OLIVE
SIGNATURE:	/Bentley J. Olive/
DATE SIGNED:	04/16/2018

Total Attachments: 4

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PATENT 504869596 REEL: 045546 FRAME: 0894

Atty Docket No.: 210-67-UTIL Siemens Ref. 2015P00434WOUS

ASSIGNMENT

THIS ASSIGNMENT, effective on the 13TH day of April, 2018, by Wolfgang

Rehwald, of Chapel Hill, North Carolina, United States (hereinafter referred to as

Assignor[s]);

WHEREAS, Assignors have invented certain new and useful improvements in

MAGNETIC RESONANCE IMAGING (MRI) SYSTEMS AND METHODS

USING ADIABATIC TIP-DOWN AND MATCHED ADIABATIC FLIP-BACK

PULSES, for which a U.S. Utility Patent Application was made on November 3, 2017 in

the United States as application no. 15/571,633, which claims priority to PCT

International Patent Application No. PCT/US2016/030758, filed May 4, 2016, which

claims the benefit of U.S. Provisional Patent Application Number 62/156,389, filed May

4, 2015; and

WHEREAS, Siemens Medical Solutions USA, Inc., 40 Liberty Boulevard,

Malvern, PA 19355 (hereinafter referred to as 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 all foreign countries, and in and to any Letters Patent of

the United States and all foreign countries to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of

which is hereby acknowledged, Assignor shave assigned, transferred and set over, and by

these presents do assign, transfer and set over, unto Assignee, its successors, legal

representatives and assigns, the entire right, title and interest in and to the above-

mentioned invention and applications for Letters Patent, and in and to any and all

divisionals, continuations and continuations-in-part of said applications, and any and all

Letters Patent in the United States and all foreign countries which may be granted

therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent,

and all rights under the International Convention for the Protection of Industrial Property,

the same to be held and enjoyed by Assignee, for its own use and benefit and the use and

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benefit of its successors, legal representatives and assigns, to the full end of the term or

terms for which Letters Patent may be granted and/or extended, as fully and entirely as

the same would have been held and enjoyed by Assignors, had this assignment not been

made. The assignment of the right to claim entitlement and/or priority is executed nunc

pro tunc and is considered effective as of the filing date of the earliest application to

which priority and/or entitlement is claimed.

This Assignment is based on our employment relationship with Duke University

to assign the foregoing invention, and any patent applications therefore, in exchange for

Assignee payment of patent prosecution costs and other valuable consideration, the

receipt and sufficiency of which is hereby expressly acknowledged by the inventors.

AND, for the same consideration, Assignors hereby represent and warrant to

Assignee, its successors, legal representatives and assigns, that, at the time of execution

and delivery of these presents, except for any rights, titles and/or interests that have arisen

to Assignee under law or that have already been transferred to Assignee, Assignors are

the sole and lawful owners of the entire right, title, and interest in and to the said

inventions and applications for Letters Patent above-mentioned, and that the same are

unencumbered and that Assignors have good and full right and lawful authority to assign

and convey the same in the manner herein set forth.

AND, for the same consideration, Assignors hereby covenant and agree, and

likewise binds his heirs, legal representatives and assigns, to and with Assignee, its

successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and

applications for Letters Patent for said invention, whenever counsel of Assignee, or

counsel of its successors, legal representatives and assigns, shall advise: that any

proceeding in connection with said invention, or said Patent application for Letters

Patent, or any proceeding in connection with any Letters Patent or applications for Letters

Patent for said invention in any country, including but not limited to derivative or post-

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grant proceedings, is lawful and desirable; or that any division, continuation or

continuation-in-part of any application for Letters Patent, or any reissue, reexamination

or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the U.S. Commissioner of Patent and Trademarks

and the Patent and Trademark Offices of all foreign countries respectively, to issue said

Letters Patent of the United States and all foreign countries to Assignee, as Assignee of

said invention and the Letters Patent to be issued thereon, for the sole use and benefit of

Assignee, its successors, legal representatives and assigns.

AND Assignors acknowledge an obligation of assignment of this invention to

Assignee at the time the invention was made.

<< Signature Page Follows >>

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Atty Docket No.: 210-67-UTIL Siemens Ref. 2015P00434WOUS	
ASSIGNOR	
Executed this 13 day of April , 2018	
Inventor Signature: Wolfgang Rehwald	
Witnessed by: Muhele Parker 4/13/2018	2
Name Date	

Date

Name