PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEE R. MCKENZIE	02/11/2013
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PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	13678164
Application Number:	13678171
Application Number:	13678207
Application Number:	13678216

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NAME OF SUBMITTER:	DAVID H. JUDSON
SIGNATURE:	/David H. Judson/
DATE SIGNED:	06/03/2015

Total Attachments: 2

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CONFIRMATORY PATENT ASSIGNMENT

This **CONFIRMATORY PATENT ASSIGNMENT** concerns the following applications for patent:

Docket	Serial No.	Filing Date	Title
002	61/559,920	11/15/2011	Avoidance-based ray tracing for volume rendering
	13/678,164	11/15/2012	Avoidance-based ray tracing for volume rendering
003	61/559,925	11/15/2011	Helix-based ray tracing for volume rendering
	13/678,171	11/15/2012	Shaped-based ray tracing for volume rendering
004	61/559,928	11/15/2011	Spatial derivative-based ray tracing for volume rendering
	13/678,179	11/15/2012	Spatial derivative-based ray tracing for volume rendering
005	61/559,932	11/15/2011	Volume rendering using scalable GPU-based cloud computing
	13/678,207	11/15/2012	Volume rendering using scalable GPU-based cloud computing
~~~~			A. E. C. C.
006	61/559,936	11/15/2011	Multiple zoom multi-planar reconstruction (MPR) heads-up display
	42 (cma n4 n	44 /45 /4044	Multiple zoom multi-planar reconstruction (MPR) heads-up
***************************************	13/678,216	11/15/2012	display
007	61/617,074	03/29/2012	Relative multi-planar reconstruction (MPR)
800	61/650,777	05/23/2012	Interactive physical simulation of catheter and percutaneous
		<u> </u>	devices for pre-operative planning
009	61/650,689	05/23/2012	Difference-based sampling for volume rendering
010	61/650,703	05/23/2012	Relative Maximum Intensity Projection
011	61/713,849	10/15/2012	Method and system for heterogeneous rendering

This Agreement is between the undersigned named individuals, one or both of whom may be named as a listed inventor or contributor on one or more of the above-identified patent applications:

- (1) Lee R. McKenzie of Howell, State of Michigan; and
- (2) Mark C. McKenzie of Howell, State of Michigan; and

Intrinsic Medical Imaging LLC, a limited liability company organized and existing under the laws of Delaware having its principal place of business at 40701 Woodward Ave., Suite 330, Bloomfield Hills, MI, 48304 (hereinafter referred to as "Assignee"):

## NOW, THEREFORE:

Be it known that, to the extent I am a contributor or named inventor with respect to any such patent application (or the invention described therein), and in consideration of the payment by Assignee to me of good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer to Assignee my full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said patent or any patent

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applications, continuations, divisions, renewals, reexaminations, substitutes or reissues thereof for the full term or terms for which the same may be granted.

I further assign to Assignee all of my right, title and interest in and to said invention in all foreign countries, and all applications for Letters Patent that may evolve therefrom, including the right to claim International Convention priority.

I further covenant that Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to me and I will testify as to the same in any matter related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said applications, said invention and said Letters Patent that may be necessary or desirable to carry out the purposes hereof.

I will make no moral rights (or equivalent) claims with respect to the above-identified intellectual property, and I will agree to maintain the intellectual property confidential and not disclose any such information to any third party for any purpose. I also agree not to use the intellectual property for my own purposes.

For each such application for patent, this Assignment is effective, nunc pro tunc (now for then), on the respective filing date of each of such application.

mivenium 5 Maine. Lee N. Michemaie
Residence (City, State): <u>Howell, Michigan</u>
Signature: <u>L. M. M.</u>
Date: February ((, 2013
Inventor's Name: <u>Mark C. McKenzie</u>
Residence (City, State): <u>Howell, Michigan</u>
Signature: Mark MKennie
Date: February (, 2013

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RECORDED: 06/03/2015