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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN D. PORT	10/23/2019
JAN-MENDELT TILLEMA	10/24/2019
YUNHONG SHU	10/23/2019
CLAUDIA F. LUCCHINETTI	10/24/2019

RECEIVING PARTY DATA

Name:	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
Street Address:	200 FIRST STREET SW
City:	ROCHESTER
State/Country:	MINNESOTA
Postal Code:	55905

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15022404
Application Number:	61880386

CORRESPONDENCE DATA

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SIGNATURE:	/Jasmine Stansberry/
DATE SIGNED:	10/31/2019
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Total Attachments: 5

PATENT REEL: 050878 FRAME: 0192

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PATENT REEL: 050878 FRAME: 0193

ASSIGNMENT

WHEREAS, the undersigned, have made certain inventions which are described in an application for Letters Patent of the United States entitled SYSTEMS AND METHODS FOR PRODUCING IMAGING BIOMARKERS INDICATIVE OF A NEUROLOGICAL DISEASE STATE USING GRAY MATTER SUPPRESSIONS VIA DOUBLE INVERSION-RECOVERY MAGNETIC RESONANCE IMAGING and identified by U.S. Patent Application 15/022,404 filed March 16, 2016, which claims priority to PCT/US2014/056762 filed September 22, 2014, which claims priority of U.S. Provisional Patent Application 61/880,386 filed September 20, 2013, preparatory to obtaining United States Letters Patent therefore, and

WHEREAS, Mayo Foundation For Medical Education and Research (hereafter referred to as Company), a non-profit corporation of the State of Minnesota having a place of business at 200 First Street SW, Rochester MN 55905 is desirous of acquiring the entire interest in said inventions throughout the United States of America and the territories thereof, for all other countries and under all international agreements,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the inventors hereby assign and transfer unto said Company, its successors and assigns, the entire right, title and interest throughout the United States of America and the territories thereof, for all foreign countries and under all international agreements in and to said inventions, the aforesaid application, all other applications hereafter filed in the United States, in any other country, or under any international agreement based in whole or in part on said inventions, and all Letters Patents granted upon said applications by the United States, by any other country or under any international agreement, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Company. We further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries or between any other countries.

The undersigned further grant to said Company, its successors and assigns, the right to claim for any of said applications the full benefits and priority rights of any international agreement between the United States and any foreign country or countries of between any other countries. The undersigned hereby warrant(s) that they/(s)he have/has the full right to make the conveyance herein, and hereby covenant(s) that the heirs, legal representatives and assigns of the undersigned, will when requested, communicate to said Company, its representatives, successors and assigns, all facts known respecting said inventions, execute all divisional, continuing, reissue, reexamination and foreign or international applications, together with individual assignment therefore, make all rightful oaths, sign all lawful papers, testify in any legal proceeding and generally do everything possible to aid said Company, its successors ands assigns, in the obtaining of Letters Patent.

IN TESTIMONY WHEREOF, the undersigned have hereunto executed this assignment at the location and on the date indicated below.

Page 1 of 5

Inventor: John D. Port Signature:

Address: 6553 Chippewa Lane NW Rochester MN 55901 Date: 23 October

Before me on this <u>33</u> day of <u>CCF</u>, 2019, came John D. Port, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution therefore to be his/her free act and deed.

MARY H WHITE
NOTARY PUBLIC
MINNESOTA
My Commission Expires Dec. 31, 2019

Signature: YV COUNTY WALLS

Name: YV COUNTY B. COVICTE

NOTARY PUBLIC, STATE OF YOUNG

MY COMMISSION EXPIRES: 12-131 (2-019)

	The state of the s
Inventor: Jan-Mendelt Tillema	Signature
Address: Margaretha Van Borsselenlaan Anstelveen NL-NL-1161-6X	Date: 10/24/2019
Rochester, 55902 Before me on this <u>44</u> day) of Oct 2019, came Jan-Mendelt Tillema, to me joing assignment and he/she acknowledges his/her execution
therefore to be his/her free act and deed.	ature: Aus Am
KRISTINE A OHM Notary Public-Minnesota Wy Commission Expires Jan 31, 2023	3/1-53/1-54

Inventor: Yunhong Shu	Signature:
Address: 1605 Redwood Lane SW Rochester MN 55902-1689	Date: <u>10/23/2019</u>
be the person named in the foregoing assignment to be his/her free act and deed.	CTUBER, 2019, came Yunhong Shu, to me known to t and he/she acknowledges his/her execution therefore
Heidi Lynn Morrow Name: Notary Public - Minnesota	e: DLAL MOYFOW Heidi Morrow VOTARY PUBLIC, STATE OF MIRRESOTO MY COMMISSION EXPIRES: 1/31/2621

Inventor: Claudia F. Lucchinetti Address: 75 River Bluffs NW Rochester MN 55901	Signature: (200) Date: 10/21/2019
Before me on this 24 day of known to be the person named in the foregoing therefore to be his/her free act and deed.	Oct, 2019, came Claudia F. Lucchinetti, to me gassignment and he/she acknowledges his/her execution
KRISTINE A OHM Notary Public-Minnesota My Commission Expires Jan 31, 2003	11 No Allerson

RECORDED: 10/31/2019