505042680 08/08/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIN ZHOU	07/24/2018
YEQING HAN	07/24/2018
XIANPING SUN	07/24/2018
LEI SHI	07/24/2018
MAILI LIU	07/24/2018
CHAOHUI YE	07/24/2018

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16058989

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	MANNI LI
SIGNATURE:	/Manni Li/
DATE SIGNED:	08/08/2018

PATENT 505042680 REEL: 046590 FRAME: 0733

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PATENT REEL: 046590 FRAME: 0734

ASSIGNMENT

WHEREAS ZHOU, Xin; HAN, Yeqing; SUN, Xianping; SHI, Lei; LIU, Maili; and YE, Chaohui, each having an address as indicated below on the signature block, hereinafter referred to collectively as the Assignor, has invented certain improvement relating to DEVICE HAVING INERT GAS NUCLEUS CHANNEL AND METHOD FOR MAGNETIC RESONANCE IMAGING USING THE SAME, which the Assignor has caused an application for United States Letters Patent to be prepared.

\boxtimes	executed concurrently herewith.
	said application having been filed in the United States Patent and Trademark Office on and given an Application Serial No.
\boxtimes	said application having been filed under the Patent Cooperation Treaty on August 8, 2016. Serial No. PCT/CN2016/094041, the United States of America being designated.

AND WHEREAS <u>Wuhan Institute of Physics And Mathematics</u>, <u>Chinese Academy of Sciences</u>, <u>West 30 Xiao Hong Shan</u>, <u>Wuchang</u>, <u>Wuhan</u>, <u>Hubei 430071 CHINA</u>, hereinafter referred to collectively as the assignee, is desirous of acquiring the entire right, title, and interest in and to the said patents and/or patent applications, and inventions, including any continuations, divisions, renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to assignor, the receipt of which is hereby acknowledged, the assignor, hereby assigns, sells, and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said patents and/or patent applications including patents issuing thereon, and inventions, including any and all continuations, divisions, renewals, reissues, and prolongations thereof; said assignees, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said inventions, patents, patent applications, including any and all continuations, divisions, renewals, reissues, and prolongations thereof, with all the rights, powers, privileges and advantages otherwise arising from or appertaining thereto, for and during the term of such patents, including any and all renewals, reissues and prolongations thereof and patents issuing on such applications, continuations and divisions, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assigner might or could have held and enjoyed the same; if this assignment had not been made;

AND the assignor agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the asserting of the said patents, including any and all renewals, reissues and prolongations thereof;

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all continuations, divisions, renewals, reissues and prolongations thereof;

This assignment includes the transfer of the right which the assignor has or may have in recovering damages for past infringement of the said patents.

Page 1 of 4

ale: July 24. 20	18	Signature:	ZHOU, Xin
ddress: West 30 Xiao	Hong Shan, Wuchang, Wuhan	n, Hubei 430071 CHINA.	
TINESSES TO SIGNA	ATURE BY ZHOU, Xin		
•	Ywi Yo	ing July	24,2018
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	Name Man In	Liachmeshen.	
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	Signature		Date
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Date: July 4. 20	118	Signature: Yeling	HAN, Yeqin
Address: West 30 Xia	no Hong Shan, Wuchang, Wuh	an, Hubei 430071 CHINA.	
	NATURE BY HAN, Yeqing		
	Yusi Ya	na I	by 24, 2018
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Date: July	W. 2018	Signature:_	Tramping S.	in
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WITNESSE	S TO SIGNATURE BY LIU, Maili	A STANLING NO.	•
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	Signature Signature	- July 24, 201	8
	Name Yuqi Yang		
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	Name	Date	
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Date: July	[₩, %/§ Signati	are: Ye Charli	•
Address: Wes	st 30 Xiao Hong Shan, Wuchang, Wuhan, Hubé	430071 CUINA YE,	Chaohui
WITNESSES	TO SIGNATURE BY YE, Chaohui	1900/I CHINA.	
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