

IS161704WPC

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PCT REQUEST

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	PCT/US18/45312
0-2	International Filing Date	06 August 2018 (06.08.2018)
0-3	Name of receiving Office and "PCT International Application"	PCT INTERNATIONAL APPLICATION RO/US
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EFS-Web mode] Version 3.51.083.259 MT/FOP 20180701/0.20.5.24
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	IS161704WPC
I	Title of invention	APPARATUS AND METHODS FOR DETERMINING PROPERTIES OF LIQUID-BEARING SOLIDS USING NUCLEAR MAGNETIC RESONANCE
II	Applicant	
II-1	This person is	Applicant only
II-2	Applicant for	US
II-4	Name	SCHLUMBERGER TECHNOLOGY CORPORATION
II-5	Address	300 Schlumberger Drive, Sugar Land, Texas 77478 United States of America
II-6	State of nationality	US
II-7	State of residence	US
II-8	Telephone No.	713-689-2746
II-9	Facsimile No.	713-689-2219
II-10	e-mail	docketing@slb.com
II-10(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	exclusively in electronic form (no paper notifications will be sent)

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III-1	Applicant and/or inventor	
III-1-1	This person is	Applicant only
III-1-2	Applicant for	CA
III-1-4	Name	SCHLUMBERGER CANADA LIMITED
III-1-5	Address	125 - 9 Avenue SE Calgary, Alberta T2G 0P6 Canada
III-1-6	State of nationality	CA
III-1-7	State of residence	CA
III-1-8	Telephone No.	713-689-2746
III-1-9	Facsimile No.	713-689-2219
III-1-10	e-mail	docketing@sib.com
III-1-10(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	exclusively in electronic form (no paper notifications will be sent)
III-2	Applicant and/or inventor	
III-2-1	This person is	Applicant only
III-2-2	Applicant for	EP: (FR);
III-2-4	Name	SERVICES PETROLIERS SCHLUMBERGER
III-2-5	Address	42 rue Saint Dominique 75007 Paris France
III-2-6	State of nationality	FR
III-2-7	State of residence	FR

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III-3	Applicant and/or inventor	
III-3-1	This person is	Applicant only
III-3-2	Applicant for	AP: (BW GH GM KE LR LS MW MZ NA RW SD SL ST SZ TZ UG ZM ZW); EA: (AM AZ BY KG KZ RU TJ TM); EP: (AL AT BE BG CH&LI CY CZ DE DK EE ES FI GB GR HR HU IE IS IT LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR); OA: (BF BJ CF CG CI CM GA GN GQ GW KM ML MR NE SN TD TG); AE AG AL AM AO AT AU AZ BA BB BG BH BN BR BW BY BZ CH&LI CL CN CO CR CU CZ DE DJ DK DM DO DZ EC EE EG ES FI GB GD GE GH GM GT HN HR HU ID IL IN IR IS JO JP KE KG KH KN KP KR KW KZ LA LC LK LR LS LU LY MA MD ME MG MK MN MW MX MY MZ NA NG NI NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SK SL SM ST SV SY TH TJ TM TN TR TT TZ UA UG UZ VC VN ZA ZM ZW
III-3-4	Name	SCHLUMBERGER TECHNOLOGY B.V.
III-3-5	Address	Parkstraat 83 2514 JG The Hague Netherlands
III-3-6	State of nationality	NL
III-3-7	State of residence	NL
III-4	Applicant and/or inventor	
III-4-1	This person is	Inventor only
III-4-3	Inventor for	All designated States
III-4-4	Name (LAST, First)	KADAYAM VISWANATHAN, Ravinath Kausik
III-4-5	Address	43 Glendale road, Sharon, Massachusetts 02067 United States of America
III-5	Applicant and/or inventor	
III-5-1	This person is	Inventor only
III-5-3	Inventor for	All designated States
III-5-4	Name (LAST, First)	SONG, Yi-Qiao
III-5-5	Address	78 Ridge Avenue Newton Center, Massachusetts 02459 United States of America

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	Agent
IV-1-1	Name (LAST, First)	LAFFEY, Bridget M.
IV-1-2	Address	Schlumberger 10001 Richmond Avenue Room 4720 Houston, Texas 77042 United States of America
IV-1-3	Telephone No.	713-689-6145
IV-1-5	e-mail	docketing@slb.com
IV-1-6	Agent's registration No.	63105
IV-2	Additional agent(s)	Agent
IV-2-1	Name (LAST, First)	CLARK, Brandon S.
IV-2-2	Address	10001 Richmond Avenue Houston, Texas 77042 United States of America
IV-2-3	Telephone No.	713-689-6534
IV-2-4	Facsimile No.	713-689-2219
IV-2-5	e-mail	docketing@slb.com
IV-2-5(a))	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this International application:	exclusively in electronic form (no paper notifications will be sent)
IV-2-6	Agent's registration No.	59020
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	11 August 2017 (11.08.2017)
VI-1-2	Number	15/675,555
VI-1-3	Country or Member of WTO	US
VI-2	Priority claim of earlier national application	
VI-2-1	Filing date	11 August 2017 (11.08.2017)
VI-2-2	Number	15/675,575
VI-2-3	Country or Member of WTO	US

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VI-3	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1 VI-2	
VI-4	Incorporation by reference : where an element of the international application referred to in Article 11(1)(ii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(ii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.		
VII-1	International Searching Authority Chosen	Korean Intellectual Property Office (ISA/KR)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	--	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	--	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	--	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	--	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	--	
IX	Check list	Number of sheets	Electronic file(s) attached
IX-1	Request (including declaration sheets)	6	✓
IX-2	Description	30	--
IX-3	Claims	8	--
IX-4	Abstract	1	✓
IX-5	Drawings	17	--
IX-7	TOTAL	62	
IX-8	Accompanying Items	Paper document(s) attached	Electronic file(s) attached
	Fee calculation sheet	✓	--
IX-20	Figure of the drawings which should accompany the abstract	1	
IX-21	Language of filing of the international application	English	

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X-1	Signature of applicant, agent or common representative	/Bridget Laffey/
X-1-1	Name (LAST, First)	Bridget M. Laffey - Reg. No. 63105
X-1-3	Capacity (if such capacity is not obvious from reading the request)	

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10-1	Date of actual receipt of the purported international application	06 August 2018 (06.08.2018)
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/KR
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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