FORM PTO-1619A Expires 06/30/99 OMB 0651-0027	08-24-2005	U.S. Department of Commerce Patent and Trademark Office PATENT
S 1915 REC	103068032 SILET	
TO: The Commissioner of Patents and Tradema	rks: Please record the attached original o	document(s) or copy(ies).
Submission Type	Conveyance Type	
√ New		/ Agreement
Resubmission (Non-Recordation) Document ID#	✓ License Change	of Name
Correction of PTO Error Reel # Frame #	Merger V Other	CONFIRMATORY LICENSE
	U.S. Govern	
Corrective Document	(For Use ONLY by U.S. Gov	
Reel # Frame #	✓ Departmental File	Secret File
Conveying Party(ies)	Mark if additional names of conve	ying parties attached Execution Date Month Day Year
Name (line 1) NOVATEK		JULY 15, 2005
Name (line 2)		
Second Party		Execution Date Month Day Year
Name (line 1)		
Name (line 2)		
Receiving Party	Mark if additional n	ames of receiving parties attached
Name (line 1) UNITED STATES DEPARTMENT	OF ENERGY	If document to be recorded is an assignment and the receiving party is not
Narne (line 2)		domiciled in the United States, an appointment
Address (line 1) 1000 INDEPENDENCE AVENUE, S	S.W.	of a domestic representative is attached. (Designation must be a
Address (line 2)		separate document from Assignment.)
Address (line 3) WASHINGTON	D. C. USA	20585
City	State/Country	Zip Code
Domestic Representative Name and A	Address Enter for the first Recei	ving Party only.
Name		
Address (line 1)		
Address (line 2)		
Address (line 3)		4
Address (line 4)		P O'C
		The office
	FOR OFFICE USE ONLY	6 % (G)
		Of the second

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	[630] 252-23931
Name ROBERT J. FISHER		
Address (line 1) U.S. DEPARTMENT OF ENERG	SY	
Address (line 2) INTELLECTUAL PROPERTY L	AW DIVISION	
Address (line 3) 9800 SOUTH CASS AVENUE		
Address (line 4) ARGONNE, ILLINOIS 60439		
Pages Enter the total number of p including any attachments	ages of the attached conveyance documer	#01
Application Number(s) or Patent Nu	umber(s) Mark if ad	dditional numbers attached
	e Patent Number (DO NOT ENTER BOTH numbers fo	or the same property).
Patent Application Number(s)	Patent	Number(s)
10/711,596		
If this document is being filed together with a new P	atent Application, enter the date the patent application	on Month Day Year
was		
Patent Cooperation Treaty (PCT)	РСТ	PCT
Enter PCT application number		
only if a U.S. Application Number has not been assigned.	PCT PCT PCT	PCT
Number of Properties _	· · · · · · · · · · · · · · · · · · ·	
Enter the tot	al number of properties involved.	
Fee Amount Fee Amou	nt for Properties Listed (37 CFR 3.41): \$	
Method of Payment: End Deposit Account	closed Deposit Account	
(Enter for payment by deposit account or if a	additional fees can be charged to the Deposit Account Number: # [
	Authorization to charge additional fees:	Yes No 🗸
Statement and Signature		
	belief, the foregoing information is true and original document. Charges to deposit a	
BRIAN J. LALLY Reg. #51,911		
Name of Person Signing	Signature	Date

PATENT REEL: 016905 FRAME: 0341

CONFIRMATORY LICENSE

(Nonprofit Organizations or Small Business Firms)

Title

:

FILTER FOR A DRILL STRING

Inventor (s)

:

David R. Hall

Serial No.

.

10/711,596

Filing Date:

9/28/2004

Contractor

:

NOVATEK

DOE Contract No

.:

DE-FC26-01NT41229

DOE Case No.

S-107,176

Patent Rights Clause No: DEAR 952.227-11

5 107,170

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):

The contractor, having the right to retain title to Subject Inventions as a result of Public Law 96-517, has reported the above-identified invention as a Subject Invention to DOE with its election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for or on behalf of the United States, required by the Public Law and the above-identified contract, in this Subject Invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, throughout the world and of all other rights acquired by the Government by the above-identified patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified Subject Invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

(SEAL)	Signed this 15th day of July, 2005.	
	NOVATEK	
	(Contractor)	
	By:	
	Yoe Fox, Vice President	
	2185 S. Larsen Physy	

Provo, Utah 84606

PATENT REEL: 016905 FRAME: 0342

RECORDED: 08/19/2005