

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAVIGOPAL VENNELAKANTI	08/22/2014
UMESHWAR DAYAL	08/20/2014
CHETAN GUPTA	08/25/2014
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State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14473394
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ATTORNEY DOCKET NUMBER:	HTA-9361
NAME OF SUBMITTER:	SHRINATH MALUR
SIGNATURE:	/Shrinath Malur/
DATE SIGNED:	08/29/2014
Total Attachments: 1	
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ASSIGNMENT

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me by HITACHI, LTD. (hereinafter referred to as ASSIGNEE), a corporation organized under the laws of JAPAN, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged, I do hereby sell and assign to said ASSIGNEE, its successors and assigns, all my right, title and interest, in and to application serial no. 14/473,394, filed August 29, 2014, and entitled:

OIL AND GAS RIG DATA AGGREGATION AND MODELING SYSTEM



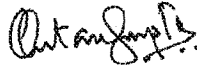
invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for Patent therefor, and all Patent including United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, said right, title and interest to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of term for which said Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

Whereby, I hereby grant the law firm of MATTINGLY & MALUR, P.C., the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document, including inserting the application serial number and filing date when known.

And I do hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEE.

Signed on the date(s) indicated aside signatures:

INVENTOR	Date Signed
1)  Ravigopal VENNELAKANTI	<u>08/22/2014</u>
2)  Umeshwar DAYAL	<u>20 August 2014</u>
3)  Chetan GUPTA	<u>08/25/2014</u>