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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Graham Christopher FLEMING	05/22/2013

RECEIVING PARTY DATA

Name:	LANDMARK GRAPHICS CORPORATION	
Street Address:	2107 CityWest Boulevard	
Internal Address:	Building 2	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77042	

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2013042843

CORRESPONDENCE DATA

Fax Number: 8887129587

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2818255235

Email: vy@kipatents.com

Correspondent Name: KRUEGER ISELIN LLP

Address Line 1: P.O. BOX 1906

Address Line 4: CYPRESS, TEXAS 77410-1906

ATTORNEY DOCKET NUMBER:	LAND-015B
NAME OF SUBMITTER:	Vy Nguyen
Signature:	/Vy Nguyen/
Date:	05/28/2013

Total Attachments: 2

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PATENT REEL: 030494 FRAME: 0859 IOP \$40,00 US2013042843

ASSIGNMENT

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned inventor(s), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, GRAHAM CHRISTOPHER FLEMING, having made an invention in "METHODS AND SYSTEMS FOR NON-PHYSICAL ATTRIBUTE MANAGEMENT IN RESERVOIR SIMULATION" while in the employ of LANDMARK GRAPHICS CORPORATION, a corporation organized and existing under the laws of the State of Delaware, doing business at 2107 CityWest Boulevard, Building 2, Houston, Texas 77042, (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

- 1. Said invention in "METHODS AND SYSTEMS FOR NON-PHYSICAL ATTRIBUTE MANAGEMENT IN RESERVOIR SIMULATION":
- 2. The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. PCT/US2013/042843, filed May 28, 2013, (Attorney's File No. LAND-015B; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled "METHODS AND SYSTEMS FOR NON-PHYSICAL ATTRIBUTE MANAGEMENT IN RESERVOIR SIMULATION":
- 3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;
- 4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
- 5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes:
- 6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;
- 7. The right to ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and

I (or We) covenant that I (or We), my (our) heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

,
EXECUTED at Harry County, Texy, on the 22 day of 1964, 2013.
GRAHAM CHRISTOPHER FLEMING
ANNALL OF THE PROPERTY OF THE
STATE OF 1/2 \$ COUNTY OF 1/201 \$
BEFORE ME, the undersigned authority, on this day personally appeared GRAHAM CHRISTOPHER FLEMING, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.
GIVEN UNDER my hand and seal of office, this the 22 day of MAY, 2013.
GIVEN UNDER my hand and seal of office, this the 22 day of MAY, 2013. [SEAL] AVERY LEWIS SAITH NY Commission Expires April 5, 2018
My Commission Expires:
April 5, 2016