PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee previously recorded on Reel 022448 Frame 0980. Assignor(s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name	Execution Date
Gerardo Mijares	05/23/2011
Alejandro Garcia	05/23/2011
Sathish Sankaran	05/24/2011
Jose Rodriguez	05/23/2011
Luigi Saputelli	06/09/2011
Ankur Awasthi	06/08/2011
Michael Nikolaou	05/23/2011

RECEIVING PARTY DATA

Name:	Landmark Graphics Corporation	
Street Address:	P. O. Box 42806	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77242	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12337437

CORRESPONDENCE DATA

Fax Number: (713)658-1921 Phone: 7136582323

Email: wjensen@craincaton.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Crain Caton & James
Address Line 1: 1401 McKinney, Suite 1700

Address Line 2: Attn: W. P. Jensen
Address Line 4: Houston, TEXAS 77010

PATENT

REEL: 027181 FRAME: 0846

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ATTORNEY DOCKET NUMBER:	33849-238
NAME OF SUBMITTER:	William P. Jensen
Total Attachments: 10	
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PATENT REEL: 027181 FRAME: 0847



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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gerardo Mijares	01/19/2009
Alejandro Garcia	12/20/2008
Sathish Sankaran	12/25/2008
Jose Rodriguez	12/25/2008
Luigi Saputelli	12/24/2008
Ankur Awasthi	01/26/2009
Michael Nikolaou	12/16/2008

RECEIVING PARTY DATA

Name:	Landmark Graphics Corporation, a Halliburton Company	
Street Address:	P. O. Box 42806	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77242	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12337437

CORRESPONDENCE DATA

Fax Number: (713)658-1921 Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Phone: 713-658-2323 Email: wjensen@craincaton.com Correspondent Name: Crain Caton & James Address Line 1: 1401 McKinney, Ste. 1700 Address Line 2: Attn: William P. Jensen Address Line 4: Houston, TEXAS 77010 ATTORNEY DOCKET 33849-238 NUMBER: NAME OF SUBMITTER: William P. Jensen Signature: /William P. Jensen/ Date: 03/25/2009 Total Attachments: 6 source=238Assigns#page1.tif source=238Assigns#page2.tif source=238Assigns#page3.tif source=238Assigns#page4.tif source=238Assigns#page5.tif source=238Assigns#page6.tif RECEIPT INFORMATION EPAS ID: PAT834282 Receipt Date: 03/25/2009 Fee Amount:

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PATENT

3/25/2009 **REEL: 027181 FRAME: 0849**

ASSIGNMENT

WHEREAS, we, Gerardo Mijares, Alejandro Garcia, Sathish Sankaran, Jose Rodriguez, Luigi Saputelli, Ankur Awasthi and Michael Nikolaou, are the joint inventors of "Systems and Methods for Optimization of Real Time Production Operations" for which application papers for United States Letters Patent thereon, were submitted on December 17, 2008 and assigned serial number 12/337,437; and,

WHEREAS, Landmark Graphics Corporation ("Landmark") a Delaware Corporation, has equitable and legal rights in and to this invention and desires to confirm such rights through this assignment (hereinafter "Assignment") and therefore, acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said Landmark, its successors, assigns, designees and legal representatives, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of Landmark or whomsoever that company may nominate, and to claim the priority of the above-named United States application or any other application permitted under the International Convention of Paris of 1883.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to Landmark, its successors, assigns, designees or other legal representatives, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefore, to Landmark, its successors, assigns, designees, or other legal representatives and that if Landmark, its successors, assigns, designees or other legal representatives shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filling of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filling of such disclaimer, without further compensation but at the expense of Landmark, its successors, designees or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to Landmark, its successors, assigns, designees or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, designee, its successors, or other legal representatives.

And we hereby agree that we will upon request execute any instrument which Landmark, or whomsoever that company may nominate, desires to carry this Assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

IN TESTIMONY WHEREOF, we have executed this Assignment next to our names below, which shall be effective as of December 16, 2008.

Signature	
Some	May 23, 2011
Gerardo Mijares	Date
Alejandro García	Date
Sathish Sankaran	Date
Jose Rodriguez	Date
ulgi Saputelli	Date
Ankur Awasthi	Date
Michael Nikolaou	Date
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TRONG HANESAND	# 18 / 20 U
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DATE 23 35 ALL

IN TESTIMONY WHEREOF, we have executed this Assignment next to our names below, which shall be effective as of December 16, 2008.

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Alejandro Garcia	Date
Sathish Sankaran	Date :
Jose Rodriguez	Dafe
Luigi Saputelli	Date
Ankur Awasthi	Date
Michael Nikolaou	Date
Landmark Graphics Corporation	
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TRONG HAVESOND	Date
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Title: DIRECTOR	
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Signature:

IN TESTIMONY WHEREOF, we have executed this Assignment next to our names below, which shall be effective as of December 16, 2008.

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Alejandro Garcia	
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IN TESTIMONY WHEREOF, we have executed this Assignment next to our names below, which shall be effective as of December 16, 2008.

Signature:	
Gerardo Mijares	Date
Alejandro Garcia	Date
Sathish Sankaran	Date
Jose Rodriguez	05-23-2011 Date
Luigi Saputeili	Date
Ankur Awasthi	Date
Michael Nikolaou	Date
•	
Landmark Graphics Corporation	
Troud Panesad	7/ 18/2011 Date
By:	Date
Title: DIRECTOR	•
	REVIEWED LEGAL CALA DATE 23 JUNE

IN TESTIMONY WHEREOF, we have execushall be effective as of December 16, 2008.	ited this Assignment next to our names below, which
Signature:	
Gerardo Mijares	Date
Alejandro Garcia	Date
Abjando Galda .	Date
Sathish Sankaran	Date
Jose Rodriguez	Date
Luigi Sapulalli 2	06 09 20y
Ankur Awasthi	Date :
Michael Nikolaou	Date
•	
Landmark Graphics Corporation	
Troub Henrisan	F/ 18/ 2011 Date
Ву:	Date
Title: Dlacoror	REVIEWED
	DATE 23 June 1

IN TESTIMONY WHEREOF, we have executed this Assignment next to our names below, which shall be effective as of December 16, 2008. Signature: Gerardo Mijares Date Alejandro Garcia Date Sathish Sankaran Date Jose Rodriguez Date Luigi Saputelli Ankur Awasthl Michael Nikolaou Date Landmark Graphics Corporation 7/18/2011 DIRECTOR Title:

IN TESTIMONY WHEREOF, we have executed this Assignment next to our names below, which shall be effective as of December 16, 2008. Signature: Gerardo Mijares Date Alejandro Garcia Date Sathish Sankaran Date Jose Rodriguez Date Luigi Saputelli Date Date Ankur Awasthi Landmark Graphics Corporation Ву:_ REVIEWED

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> PATENT REEL: 027181 FRAME: 0857

RECORDED: 11/06/2011