503732654 03/11/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EMILE Y. SAHOURIA	02/15/2016
STEFFEN SCHULZE	03/10/2016

RECEIVING PARTY DATA

Name:	MENTOR GRAPHICS CORPORATION	
Street Address:	8005 S.W. BOECKMAN ROAD	
City:	WILSONVILLE	
State/Country:	OREGON	
Postal Code:	97070-7777	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14848187

CORRESPONDENCE DATA

Fax Number: (301)365-9101

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3013659040

Email: mail@plumsea.com

Correspondent Name: PLUMSEA LAW GROUP, LLC. **Address Line 1:** 6710 A ROCKLEDGE DRIVE

Address Line 2: SUITE 400

Address Line 4: BETHESDA, MARYLAND 20817

ATTORNEY DOCKET NUMBER:	91-1017
NAME OF SUBMITTER:	ASLAN BAGHDADI
SIGNATURE:	/Aslan Baghdadi/
DATE SIGNED:	03/11/2016

Total Attachments: 3

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PATENT 503732654 REEL: 037953 FRAME: 0496

ASSIGNMENT AGREEMENT

WHEREAS, We, Emile Y. Sahouria, residing at 935 Eton Way, Sunnyvale, California, 94087; and Steffen Schulze, residing at 17146 S.W. Woodhaven Drive, Sherwood, Oregon, 97140 (hereafter collectively referred to as ASSIGNORS), are the inventors of certain inventions described in a U.S. patent application identified by Attorney Docket Number 91-1017 and having the title

Generalization Of Shot Definitions For Mask And Wafer Writing Tools

and

WHEREAS, Mentor Graphics Corporation, a corporation incorporated in the State of Oregon and having a place of business at 8005 S.W. Boeckman Road, Wilsonville, Oregon, 97070-7777 (hereafter referred to as ASSIGNEE), is desirous of confirming that it has already been assigned, or, if not already assigned, is desirous of acquiring the entire right, title and interest in and to said worldwide legal and beneficial right, title and interest in and to the aforesaid inventions, and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof that may be granted for said inventions, or as a result thereof in the United States of America (U.S.) and in any and all foreign countries, including the right to claim priority of the respective United States Patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

We hereby confirm that we did (under the law of the jurisdiction(s) where the inventions were conceived, reduced to practice and made, under the Intellectual Property Agreement And Confidentiality Agreement and/or under some other agreement with Mentor Graphics Corporation) sell, assign and transfer to the above named ASSIGNEE, or, to the extent we have not already done so, do sell, assign and transfer unto the above named ASSIGNEE, and its successors, assigns and legal representatives (hereafter referred to as NOMINEES) the entire right, title and interest in and to said inventions, in and to the aforesaid application and in and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said inventions and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, including the right to claim priority of the respective United States Patent application;

We covenant that we have full right to convey the entire interest herein assigned at the time of sale, assignment and transfer, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

We further agree to communicate to said ASSIGNEE or its NOMINEES any facts known to us respecting said inventions, to execute all divisional, continuation, renewal, reissue and foreign applications for said inventions, sign all lawful documents and make all rightful oaths and declarations

Page 1 of 2

relating to said inventions, sign all lawful documents which the ASSIGNEE or its NOMINEES shall consider destrable for aiding in securing and maintaining proper protection for said inventions, and to testify in any judicial or administrative proceeding and generally do everything possible to aid said ASSIGNEE or its NOMINEES to obtain and enforce said Patents. Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof worldwide, and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, when requested so to do by said ASSIGNEE or its NOMINEES; and

We authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for any Patents. Design Registrations, Industrial Models, Industrial Designs, Petry Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof in any and all countries of the world, and for any and all divisions, reissues, continuations, extensions and renewals thereof, and we authorize and request the appropriate official of any country, to issue to said ASSIGNEE or its NOMINEES any and all Patents, Design Registrations, Industrial Models, Industrial Designs, Petry Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof, and any and all divisions, reissues, continuations, extensions and renewals thereof for their sole use, to the full end of the term for which such may be granted;

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

Emil Mi	2/15/2016
Inventor: Emile Y. Sahouria	Date
Inventor: Steffen Schulze	Date

relating to said inventions, sign all lawful documents which the ASSIGNEE or its NOMINEES shall consider desirable for aiding in securing and maintaining proper protection for said inventions, and to testify in any judicial or administrative proceeding and generally do everything possible to aid said ASSIGNEE or its NOMINEES to obtain and enforce said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof worldwide, and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, when requested so to do by said ASSIGNEE or its NOMINEES; and

We authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for any Patents. Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof in any and all countries of the world, and for any and all divisions, reissues, continuations, extensions and renewals thereof, and we authorize and request the appropriate official of any country, to issue to said ASSIGNEE or its NOMINEES any and all Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof, and any and all divisions, reissues, continuations, extensions and renewals thereof for their sole use, to the full end of the term for which such may be granted;

IN WITNESS WHEREOF, I have hereunto set my hand and seal:

Inventor: Emile Y. Sahouria	Date
S/ Dub	3/10/2016
Inventor: Steffen Schulze	Date