

PATENT ASSIGNMENT COVER SHEET

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|---|-------------------------------------|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | SEAN TIMOTHY O'KEEFFE | 03/13/2014 |
| | TRAN QUOC PHAM | 03/13/2014 |
| | THEODORE ANDREW WANIUK | 05/11/2014 |
| RECEIVING PARTY DATA | | |
| Name: | CRUCIBLE INTELLECTUAL PROPERTY, LLC | |
| Street Address: | 31441 SANTA MARGARITA PARKWAY | |
| Internal Address: | SUITE A #247 | |
| City: | RANCHO SANTA MARGARITA | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 92688 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 14345883 |
| CORRESPONDENCE DATA | | |
| Fax Number: | (703)770-7901 | |
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| ATTORNEY DOCKET NUMBER: | 069648-0429836 | |
| NAME OF SUBMITTER: | RAJ S. DAVÉ | |
| SIGNATURE: | / Raj S. Davé / | |
| DATE SIGNED: | 05/22/2014 | |
| Total Attachments: 6 | | |
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Attorney's Docket No. 069648-0429836
Client Reference: P11259US1

PATENT

For: U.S. Rights and Foreign Rights
For: and U.S. Patent
By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Sean Timothy O'KEEFFE;
Tran Quoc PHAM; and
Theodore Andrew WANIUK

hereby sell, assign and transfer to

ASSIGNEE:

Crucible Intellectual Property, LLC
30452 Esperanza
Rancho Santa Margarita, CA 92688
United States of America

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**NANO- AND MICRO-REPLICATION FOR AUTHENTICATION AND
TEXTURIZATION**


and which is found in (37 C.F.R. § 3.21) naming the above inventors for the above-entitled invention U.S. Patent Application No.: 14/345,883, filed on March 19, 2014, and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

To comply with 37 C.F.R. § 3.21 for recordal of this assignment, I, an ASSIGNOR, signing below, hereby authorize and request my attorney to insert above the filing date and application number when they become known.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 3/13/2014


Signature of Sean Timothy O'KEEFFE

Date: _____

Signature of Tran Quoc PHAM

Date: _____

Signature of Theodore Andrew WANIUK

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Date: _____

Signature of Sean Timothy O'KEEFFE

Date: 3-13-14

Tran Quoc Pham
Signature of Tran Quoc PHAM

Date: _____

Signature of Theodore Andrew WANIUK

Attorney's Docket No. 069648-0429836
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Date: _____

Signature of Sean Timothy O'KEEFFE

Date: _____

Signature of Tran Quoc PHAM

Date: 5/11/2014

Theodore A. Waniuk

Signature of Theodore Andrew WANIUK