

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|--|---------------|----------------|---------------------|------------|-----------------|------------|----------------|------------|---------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CHIH-YUAN HSU</td> <td>05/22/2013</td> </tr> <tr> <td>SHUO-PENG LIANG</td> <td>05/22/2013</td> </tr> <tr> <td>JUI-MING CHANG</td> <td>05/22/2013</td> </tr> <tr> <td>HSIN-CHUAN SU</td> <td>05/22/2013</td> </tr> </tbody> </table> | | Name | Execution Date | CHIH-YUAN HSU | 05/22/2013 | SHUO-PENG LIANG | 05/22/2013 | JUI-MING CHANG | 05/22/2013 | HSIN-CHUAN SU | 05/22/2013 |
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| CHIH-YUAN HSU | 05/22/2013 | | | | | | | | | | |
| SHUO-PENG LIANG | 05/22/2013 | | | | | | | | | | |
| JUI-MING CHANG | 05/22/2013 | | | | | | | | | | |
| HSIN-CHUAN SU | 05/22/2013 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE | | | | | | | | | | |
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| City: | Hsin-Chu | | | | | | | | | | |
| State/Country: | TAIWAN | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13845987</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13845987 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13845987 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | YUSO 157 | | | | | | | | | | |
| NAME OF SUBMITTER: | Steven M. Rabin | | | | | | | | | | |
| Signature: | /Steven M. Rabin/ | | | | | | | | | | |
| Date: | 06/05/2013 | | | | | | | | | | |
| Total Attachments: 2 source=YUSO157-Ass#page1.tif source=YUSO157-Ass#page2.tif | | | | | | | | | | | |

OP \$40.00 13845987

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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS HSU, CHIH-YUAN; LIANG, SHUO-PENG; CHANG, JUI-MING; SU, HSIN-CHUAN hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

APPARATUS AND METHOD FOR POSITIONING GEOMETRIC MODEL

the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

said application having been filed in the United States Patent and Trademark Office on March 18, 2013 authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No. 13/845,987) the application serial number of said application when known;

said application having been filed under the Patent Cooperation Treaty on _____ (Serial No. _____) the United States of America being designated.

AND WHEREAS INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE

who's address is NO. 195, SEC. 4, CHUNG-HSING ROAD, CHU-TUNG, HSIN-CHU, TAIWAN, R.O.C.

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

HSU, CHIH-YUAN
Name of sole or first inventor HSU, CHIH-YUAN 2013.5.22
Signature Date

LIANG, SHUO-PENG
Name of sole or first inventor Liang, Shuo Peng 2013.5.22
Signature Date

CHANG, JUI-MING CHANG, JUI-MING 2013.5.22
Name of sole or first inventor Signature Date

SU, HSIN-CHUAN SU, HSIN-CHUAN 2013.5.22
Name of sole or first inventor Signature Date