

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>CHAD BRICK</td> <td>09/14/2012</td> </tr> <tr> <td>CHRISTOPHER DESANA</td> <td>09/28/2012</td> </tr> <tr> <td>RICHARD LAINE</td> <td>10/19/2012</td> </tr> <tr> <td>SANTY SULAIMAN</td> <td>09/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	CHAD BRICK	09/14/2012	CHRISTOPHER DESANA	09/28/2012	RICHARD LAINE	10/19/2012	SANTY SULAIMAN	09/18/2012
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CHAD BRICK	09/14/2012										
CHRISTOPHER DESANA	09/28/2012										
RICHARD LAINE	10/19/2012										
SANTY SULAIMAN	09/18/2012										
RECEIVING PARTY DATA											
Name:	The Regents of the University of Michigan										
Street Address:	503 Thompson Street										
City:	Ann Arbor										
State/Country:	MICHIGAN										
Postal Code:	48109										
PROPERTY NUMBERS Total: 1											
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Application Number:	11242741										
CORRESPONDENCE DATA											
Fax Number:	2488131211										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	2488131203										
Email:	kandace.k.powell@delphi.com										
Correspondent Name:	Delphi Technologies, Inc.										
Address Line 1:	P. O. Box 5052										
Address Line 2:	M/C: 483-400-402										
Address Line 4:	Troy, MICHIGAN 48007-5052										
ATTORNEY DOCKET NUMBER:	DP-313021 INV TO UM										
NAME OF SUBMITTER:	Patrick M. Griffin										
Total Attachments: 12											

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## ASSIGNMENT OF INVENTION RIGHTS

This Assignment agreement (this "Agreement") is made by and between The Regents of the University of Michigan, on behalf of its Office of Technology Transfer ("MICHIGAN") and Chad Brick, an individual residing at 4-5-17 Sumaura Dori, Suma-ku, Kobe, Hyogo, Japan ("INVENTOR"). For valuable consideration, the receipt and sufficiency of which are hereby acknowledged, INVENTOR and MICHIGAN agree as follows:

INVENTOR does hereby assign and transfer to MICHIGAN, its successors and assigns, his/her entire right, title and interest in and to the INVENTION entitled "Flip Chip Underfill" ("INVENTION") The rights assigned herein include, but are not limited to, INVENTOR's entire right, title and interest in and to the following:

- (a) US patent application 11/242,741 filed October 4, 2005 and issued as US patent 7,332,822
- (b) all patents and patent applications to which the patent listed in (a) directly or indirectly claims, or forms the basis for, priority anywhere in the world;
- (c) all reissues, reexaminations, extensions, continuations, continuations-in-part, continuing prosecution applications and divisions of any of the items listed in (a) or (b);
- (d) all foreign counterparts to any of the items listed in (a) through (c);
- (e) all inventions described in patent US 7,332,822 and in the items listed in (b) through (d);
- (f) all patents that issue from any of the items in (a) through (e);
- (g) all claims, causes of action and enforcement rights of any kind, whether currently pending, filed or otherwise, and whether known or unknown, under or arising from any of the items listed in (a) through (f), including all rights to pursue and collect damages, costs, injunctive relief and other remedies for past, current or future infringement; and
- (h) all other rights and privileges under any and all patents that may be granted for any of the items in (a) through (g).

INVENTOR further assigns to MICHIGAN all income, royalties, damages, claims and payments now or hereafter due or payable with respect to the INVENTION, and all causes of action, either in law or in equity for past, present, or future infringement based on the above (including trade secrets, registrations, copyrights, patents, or other intellectual property) relating to the INVENTION, and in and to all rights corresponding to the foregoing throughout the world.

INVENTOR hereby promises and agrees that he/shall shall execute or procure any further necessary assurance of title to the INVENTION and the items noted above. INVENTOR shall, at any time, upon the request and without further consideration, deliver any truthful written or oral testimony in any legal proceedings, including the U.S. Patent Office, relating to the INVENTION and the above items, but out-of-pocket expenses shall be borne by MICHIGAN. INVENTOR shall make all rightful oaths and do

all lawful acts required for procuring and enforcing any of the registrations, copyrights, trade secrets and/or patents, without further compensation, but at the expense of MICHIGAN.

INVENTOR further represents and warrants that the INVENTION is not subject, in whole or in part, to any encumbrances, liens, prior assignments, obligations of assignment, claims in litigation or arbitration, security interests, or any other claims made by third parties. INVENTOR agrees that any and all United States and foreign patents for the INVENTION may be issued to MICHIGAN, its successors, assigns, designees, and/or legal representatives. INVENTOR agrees that, when requested, shall sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the INVENTION in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

INVENTOR authorizes and empowers MICHIGAN, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the INVENTION filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

The parties agree that a copy of this Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it. This Agreement constitutes the entire agreement between the parties relating to the subject matter of the INVENTION.

Subject to the acts and promises made above, MICHIGAN hereby agrees to treat INVENTOR as if he/she were an employee-inventor of the University of Michigan, under applicable official MICHIGAN revenue sharing policies as they may change from time to time. MICHIGAN MAKES NO WARRANTIES. INVENTOR agrees that under no circumstances shall MICHIGAN be liable for any damages, claims, or other liabilities relating to MICHIGAN's activities underlying this agreement, including, but not limited to, any failure of MICHIGAN to obtain patent protection or to enter into any agreements relating to the INVENTION, or the scope of any patent protection received or agreements entered into by MICHIGAN.

In witness whereof, the parties have executed this Agreement, effective this 14<sup>th</sup> day of September, 2012.

FOR INVENTOR:

Signed: Chad M. Brick 9/14/2012

Typed/Printed name: Chad Michael Brick

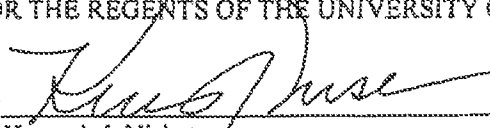
WITNESS:

By Furuya Kazuki 9/14/2012

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FOR THE REGENTS OF THE UNIVERSITY OF MICHIGAN:

By

  
Kenneth J. Nisbet

Executive Director, UM Technology Transfer

Date:

12/14/2012

070109

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## ASSIGNMENT OF INVENTION RIGHTS

This Assignment agreement (this "Agreement") is made by and between The Regents of the University of Michigan, on behalf of its Office of Technology Transfer ("MICHIGAN") and Christopher Desana, an individual residing at 7264 Melotte St., San Diego, CA 92118 ("INVENTOR"). For valuable consideration, the receipt and sufficiency of which are hereby acknowledged, INVENTOR and MICHIGAN agree as follows:

INVENTOR does hereby assign and transfer to MICHIGAN, its successors and assigns, his/her entire right, title and interest in and to the INVENTION entitled "Flip Chip Underfill" ("INVENTION") The rights assigned herein include, but are not limited to, INVENTOR's entire right, title and interest in and to the following:

- (a) US patent application 11/242,741 filed October 4, 2005 and issued as US patent 7,332,822
- (b) all patents and patent applications to which the patent listed in (a) directly or indirectly claims, or forms the basis for, priority anywhere in the world;
- (c) all reissues, reexaminations, extensions, continuations, continuations-in-part, continuing prosecution applications and divisions of any of the items listed in (a) or (b);
- (d) all foreign counterparts to any of the items listed in (a) through (c);
- (e) all inventions described in patent US 7,332,822 and in the items listed in (b) through (d);
- (f) all patents that issue from any of the items in (a) through (e);
- (g) all claims, causes of action and enforcement rights of any kind, whether currently pending, filed or otherwise, and whether known or unknown, under or arising from any of the items listed in (a) through (f), including all rights to pursue and collect damages, costs, injunctive relief and other remedies for past, current or future infringement; and
- (h) all other rights and privileges under any and all patents that may be granted for any of the items in (a) through (g).

INVENTOR further assigns to MICHIGAN all income, royalties, damages, claims and payments now or hereafter due or payable with respect to the INVENTION, and all causes of action, either in law or in equity for past, present, or future infringement based on the above (including trade secrets, registrations, copyrights, patents, or other intellectual property) relating to the INVENTION, and in and to all rights corresponding to the foregoing throughout the world.

INVENTOR hereby promises and agrees that he/shall shall execute or procure any further necessary assurance of title to the INVENTION and the items noted above. INVENTOR shall, at any time, upon the request and without further consideration, deliver any truthful written or oral testimony in any legal proceedings, including the U.S. Patent Office, relating to the INVENTION and the above items, but out-of-pocket expenses shall be borne by MICHIGAN. INVENTOR shall make all rightful oaths and do all lawful

acts required for procuring and enforcing any of the registrations, copyrights, trade secrets and/or patents, without further compensation, but at the expense of MICHIGAN.

INVENTOR further represents and warrants that the INVENTION is not subject, in whole or in part, to any encumbrances, liens, prior assignments, obligations of assignment, claims in litigation or arbitration, security interests, or any other claims made by third parties. INVENTOR agrees that any and all United States and foreign patents for the INVENTION may be issued to MICHIGAN, its successors, assigns, designees, and/or legal representatives. INVENTOR agrees that, when requested, shall sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the INVENTION in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

INVENTOR authorizes and empowers MICHIGAN, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the INVENTION filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

The parties agree that a copy of this Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it. This Agreement constitutes the entire agreement between the parties relating to the subject matter of the INVENTION.

Subject to the acts and promises made above, MICHIGAN hereby agrees to treat INVENTOR as if he/she were an employee-inventor of the University of Michigan, under applicable official MICHIGAN revenue sharing policies as they may change from time to time. MICHIGAN MAKES NO WARRANTIES. INVENTOR agrees that under no circumstances shall MICHIGAN be liable for any damages, claims, or other liabilities relating to MICHIGAN's activities underlying this agreement, including, but not limited to, any failure of MICHIGAN to obtain patent protection or to enter into any agreements relating to the INVENTION, or the scope of any patent protection received or agreements entered into by MICHIGAN.

In witness whereof, the parties have executed this Agreement, effective this 28 day of Sep, 2012.

FOR INVENTOR:

Signed:

Typed/Printed name: Christopher DeSana

WITNESS:

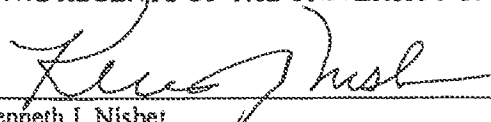
By

J.K.

Julianne Kuriki

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FOR THE REGENTS OF THE UNIVERSITY OF MICHIGAN:

By   
Kenneth J. Nisbet  
Executive Director, UM Technology Transfer

Date: 12/14/2012

070109



## ASSIGNMENT OF INVENTION RIGHTS

This Assignment agreement (this "Agreement") is made by and between The Regents of the University of Michigan, on behalf of its Office of Technology Transfer ("MICHIGAN") and Richard Laine, an individual residing at 1375 Folkstone Ct., Ann Arbor, MI 48105 ("INVENTOR"). For valuable consideration, the receipt and sufficiency of which are hereby acknowledged, INVENTOR and MICHIGAN agree as follows:

INVENTOR does hereby assign and transfer to MICHIGAN, its successors and assigns, his/her entire right, title and interest in and to the INVENTION entitled "Flip Chip Underfill" ("INVENTION") The rights assigned herein include, but are not limited to, INVENTOR's entire right, title and interest in and to the following:

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INVENTOR further assigns to MICHIGAN all income, royalties, damages, claims and payments now or hereafter due or payable with respect to the INVENTION, and all causes of action, either in law or in equity for past, present, or future infringement based on the above (including trade secrets, registrations, copyrights, patents, or other intellectual property) relating to the INVENTION, and in and to all rights corresponding to the foregoing throughout the world.

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Susan S. Hamlin  
Notary Public, Wayne County, MI  
Commission Expires Nov. 28, 2012  
Acting in Washtenaw County, MI

Susan Hamlin  
Notary Public  
My Commission Expires: 11-28-2012

FOR THE REGENTS OF THE UNIVERSITY OF MICHIGAN:

By Kenneth J. Nisbet  
Kenneth J. Nisbet  
Executive Director, UM Technology Transfer

Date: 12/14/2011

070109

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## ASSIGNMENT OF INVENTION RIGHTS

This Assignment agreement (this "Agreement") is made by and between The Regents of the University of Michigan, on behalf of its Office of Technology Transfer ("MICHIGAN") and Santy Sulaiman, an individual residing at 1035 Square Drive, Phoenixville, PA 19460, USA ("INVENTOR"). For valuable consideration, the receipt and sufficiency of which are hereby acknowledged, INVENTOR and MICHIGAN agree as follows:

INVENTOR does hereby assign and transfer to MICHIGAN, its successors and assigns, his/her entire right, title and interest in and to the INVENTION entitled "Flip Chip Underfill" ("INVENTION") The rights assigned herein include, but are not limited to, INVENTOR's entire right, title and interest in and to the following:

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do all lawful acts required for procuring and enforcing any of the registrations, copyrights, trade secrets and/or patents, without further compensation, but at the expense of MICHIGAN.

INVENTOR further represents and warrants that the INVENTION is not subject, in whole or in part, to any encumbrances, liens, prior assignments, obligations of assignment, claims in litigation or arbitration, security interests, or any other claims made by third parties. INVENTOR agrees that any and all United States and foreign patents for the INVENTION may be issued to MICHIGAN, its successors, assigns, designees, and/or legal representatives. INVENTOR agrees that, when requested, shall sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the INVENTION in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

INVENTOR authorizes and empowers MICHIGAN, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the INVENTION filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

The parties agree that a copy of this Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it. This Agreement constitutes the entire agreement between the parties relating to the subject matter of the INVENTION.

Subject to the acts and promises made above, MICHIGAN hereby agrees to treat INVENTOR as if he/she were an employee-inventor of the University of Michigan, under applicable official MICHIGAN revenue sharing policies as they may change from time to time. MICHIGAN MAKES NO WARRANTIES. INVENTOR agrees that under no circumstances shall MICHIGAN be liable for any damages, claims, or other liabilities relating to MICHIGAN's activities underlying this agreement, including, but not limited to, any failure of MICHIGAN to obtain patent protection or to enter into any agreements relating to the INVENTION, or the scope of any patent protection received or agreements entered into by MICHIGAN.

In witness whereof, the parties have executed this Agreement, effective this 18<sup>th</sup> day of September, 2012.

FOR INVENTOR:

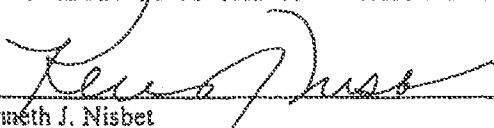
Signed: 

Typed/Printed name: SANTY SULAIMAN

WITNESS: 

By 

FOR THE REGENTS OF THE UNIVERSITY OF MICHIGAN:

By   
Kenneth J. Nisbet  
Executive Director, UM Technology Transfer

Date: 12/14/2012

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