

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2676552

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>WILLIAM E. EDWARDS</td> <td>01/09/2014</td> </tr> <tr> <td>ANTHONY F. ANDRESEN</td> <td>01/06/2014</td> </tr> <tr> <td>RANDALL C. GRAY</td> <td>01/06/2014</td> </tr> </tbody> </table>		Name	Execution Date	WILLIAM E. EDWARDS	01/09/2014	ANTHONY F. ANDRESEN	01/06/2014	RANDALL C. GRAY	01/06/2014
Name	Execution Date								
WILLIAM E. EDWARDS	01/09/2014								
ANTHONY F. ANDRESEN	01/06/2014								
RANDALL C. GRAY	01/06/2014								
RECEIVING PARTY DATA									
Name:	FREESCALE SEMICONDUCTOR, INC.								
Street Address:	6501 WILLIAM CANNON DRIVE								
City:	AUSTIN								
State/Country:	TEXAS								
Postal Code:	78735								
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>14152262</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14152262				
Property Type	Number								
Application Number:	14152262								
CORRESPONDENCE DATA									
Fax Number:	(414)223-5000								
Phone:	414-273-2100								
Email:	ptomailbox@whdlaw.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	JOHN T. PIENKOS								
Address Line 1:	WHYTE HIRSCHBOECK DUDEK S.C.								
Address Line 2:	555 E. WELLS STREET, SUITE 1900								
Address Line 4:	MILWAUKEE, WISCONSIN 53202								
ATTORNEY DOCKET NUMBER:	SA25129ZC								
NAME OF SUBMITTER:	JOHN T. PIENKOS								
Signature:	/John T. Pienkos/								

Date:

01/10/2014

Total Attachments: 4

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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **WLLIAM E. EDWARDS, ANN ARBOR, MICHIGAN; ANTHONY F. ANDRESEN, CHANDLER, ARIZONA; and RANDALL C. GRAY, TEMPE, ARIZONA** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **FREESCALE SEMICONDUCTOR, INC.**, a corporation of the State of Delaware, having its principal office in Austin, State of Texas, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **SWITCH DETECTION DEVICE AND METHOD OF USE (Docket No. SA25129ZC)**, described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us on the dates indicated by our signatures below, together with the entire right, title and interest in and to the application, and in and to Letters Patent which may be issued upon the application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto **FREESCALE SEMICONDUCTOR, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize **FREESCALE SEMICONDUCTOR, INC.** to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **FREESCALE SEMICONDUCTOR, INC.**, for the sole use and benefit of **FREESCALE SEMICONDUCTOR, INC.**, its successors, assigns and legal representatives, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to **FREESCALE SEMICONDUCTOR, INC.**

We agree that, when requested, we will, without charge to **FREESCALE SEMICONDUCTOR, INC.**, but at its expense, 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 inventions in any and all countries and for vesting title thereto in **FREESCALE SEMICONDUCTOR, INC.**, its successors, assigns and legal representatives or nominees.

We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

William E Edwards
WILLIAM E. EDWARDS

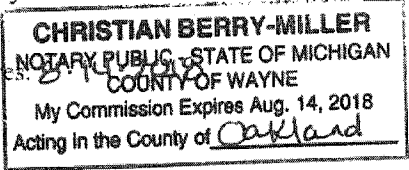
DATE: 9 JAN 2014

STATE OF Michigan)
)
COUNTY OF Oakland)

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that WILLIAM E. EDWARDS, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 9th day of January, 2013.

My commission expires: 8/14/2018



Christian Miller
Notary Public Signature

ANTHONY F. ANDRESEN

DATE: _____

STATE OF _____)
)
COUNTY OF _____)

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that ANTHONY F. ANDRESEN whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this ___ day of _____, 2013.

My commission expires:

Notary Public Signature

We covenant with FREESCALE SEMICONDUCTOR, INC., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

DATE: _____

WILLIAM E. EDWARDS

STATE OF _____)

COUNTY OF _____)

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that WILLIAM E. EDWARDS, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this ___ day of _____, 2013.

My commission expires:

Notary Public Signature

Anthony F. Andresen
ANTHONY F. ANDRESEN

DATE: 1/01/2014

STATE OF _____)

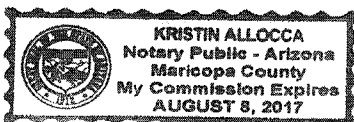
COUNTY OF _____)

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that ANTHONY F. ANDRESEN whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 6 day of January, 2013.

My commission expires: 8/2017

Kristin Allocca
Notary Public Signature



Randall C. Gray
RANDALL C. GRAY

DATE: 6 Jan 2014

STATE OF _____)

COUNTY OF _____)

The undersigned Notary Public in and for the County and State aforesaid does hereby certify that RANDALL C. GRAY, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 6 day of January, 2013.

My commission expires:

Kristin Allocca
Notary Public Signature

