

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2815170

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CARL CULSHAW	04/05/2014
MARK MAIOLANI	03/24/2014
ROBERT F. MORAN	03/24/2014
RECEIVING PARTY DATA	
Name:	FREESCALE SEMICONDUCTOR, INC.
Street Address:	6501 WILLIAM CANNON DRIVE WEST
City:	AUSTIN
State/Country:	TEXAS
Postal Code:	78735
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14253399
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
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Correspondent Name:	LARSON NEWMAN, LLP
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Address Line 2:	SUITE 280
Address Line 4:	AUSTIN, TEXAS 78759
ATTORNEY DOCKET NUMBER:	AI20492EH
NAME OF SUBMITTER:	J. GUSTAV LARSON
SIGNATURE:	/J. Gustav Larson/
DATE SIGNED:	04/15/2014
Total Attachments: 10	
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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **Carl, CULSHAW, WIGAN, UNITED KINGDOM, Mark, MAIOLANI, GLASGOW, UNITED KINGDOM and Robert F., MORAN, LARGS, UNITED KINGDOM** 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, 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 **METHOD AND APPARATUS FOR MONITORING GENERAL PURPOSE INPUT OUTPUT, GPIO, SIGNALS** (Docket No. AI20492EH), 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.


Carl, CULSHAW

DATE: 04-05-2014

First Witness



SIGNATURE OF WITNESS

DATE: 04-05-2014
(Month-Day-Year)

MARK A CHEETHAM
PRINTED NAME OF WITNESS

58 THE HAWTHORNES
ECCELESTON, PR7 5QW
PRINTED ADDRESS OF WITNESS

Second Witness



SIGNATURE OF WITNESS

DATE: 04-05-2014
(Month-Day-Year)

STEPHEN BURNS
PRINTED NAME OF WITNESS

6 HAWTHORN AVG
BUSCOURGH L40 5BL
PRINTED ADDRESS OF WITNESS

Mark, MAIOLANI

DATE: _____

First Witness

SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

Second Witness

SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

Robert F., MORAN

DATE: _____

First Witness

SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

Second Witness

SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

ASSIGNMENT AND AGREEMENT

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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.

DATE: _____

Carl, CULSHAW

First Witness

SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

Second Witness

SIGNATURE OF WITNESS

DATE: _____
(Month-Day-Year)

PRINTED NAME OF WITNESS

PRINTED ADDRESS OF WITNESS

Mark Maolan

Mark, MAIOLANI

DATE: MARCH - 24 - 2014

First Witness

David McMenamin

SIGNATURE OF WITNESS

DATE: MARCH - 24 - 2014
(Month-Day-Year)

DAVID MCMENAMIN

PRINTED NAME OF WITNESS

287/7 CASTLEMILK RD

GLASGOW, G44 4LE

PRINTED ADDRESS OF WITNESS

Second Witness

James Scobie

SIGNATURE OF WITNESS

DATE: MARCH - 24 - 2014
(Month-Day-Year)

JAMES SCOBIE

PRINTED NAME OF WITNESS

16 EAST ABERCROMBY ST

HELENSBURGH G84 7SQ

PRINTED ADDRESS OF WITNESS

Robert F. Moran
Robert F., MORAN

DATE: 03/24/2014

First Witness

[Signature]
SIGNATURE OF WITNESS

DATE: 03-24-2014
(Month-Day-Year)

DEROL BEATTIE
PRINTED NAME OF WITNESS

7 PERCY DRIVE
GIFTNOCK, 946 GNZ .UK.
PRINTED ADDRESS OF WITNESS

Second Witness

[Signature]
SIGNATURE OF WITNESS

DATE: 03-24-2014
(Month-Day-Year)

ALISTAIR ROBERTSON
PRINTED NAME OF WITNESS

11 CHAPELTON AVENUE,
GLASGOW. G61 2RE
PRINTED ADDRESS OF WITNESS