

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3474781

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RYAN M. NILSEN	08/06/2015
GOKTUG DUMAN	08/06/2015
SIMON FRANKLIN	08/04/2015
BARBARA MILLET	08/03/2015
BAN HIN OOI	08/04/2015
MARK C. PALMER	08/06/2015
RECEIVING PARTY DATA	
Name:	Motorola Solutions, Inc.
Street Address:	1303 E. Algonquin Road
Internal Address:	Law Department, Intellectual Property
City:	Schaumburg
State/Country:	ILLINOIS
Postal Code:	60196
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	29535561
CORRESPONDENCE DATA	
Fax Number:	(847)576-3750
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	847-576-2932
Email:	USAdocketing@motorolasolutions.com
Correspondent Name:	MOTOROLA SOLUTIONS, INC.
Address Line 1:	1301 E. ALGONQUIN ROAD
Address Line 2:	IL02-5TH FLOOR
Address Line 4:	SCHAUMBURG, ILLINOIS 60196
ATTORNEY DOCKET NUMBER:	CM18361
NAME OF SUBMITTER:	VERNICE FREEBOURNE
SIGNATURE:	/Vernice Freebourne/
DATE SIGNED:	08/07/2015

PATENT

Total Attachments: 28

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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **RYAN M. NILSEN, FLORIDA, USA; GOKTUG DUMAN, FLORIDA, USA; SIMON FRANKLIN, GIVATAYIM, ISRAEL; BARBARA MILLET, FLORIDA, USA; BAN HIN OOI, PENANG, MALAYSIA and MARK C. PALMER, ASTORIA, NEW YORK, USA**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA SOLUTIONS, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, 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 **COMMUNICATION DEVICE** (Docket No. **CM18361**), 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 nonprovisional, division, extension, continuation, reexamination or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA SOLUTIONS, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefore 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 **MOTOROLA SOLUTIONS, 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, reexamination or reissue to **MOTOROLA SOLUTIONS, INC.**, for the sole use and benefit of **MOTOROLA SOLUTIONS, 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 **MOTOROLA SOLUTIONS, INC.**

We agree that, when requested, we will, without charge to MOTOROLA SOLUTIONS, 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 MOTOROLA SOLUTIONS, INC., its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA SOLUTIONS, 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.

Ryan M. Nilson
RYAN M. NILSEN

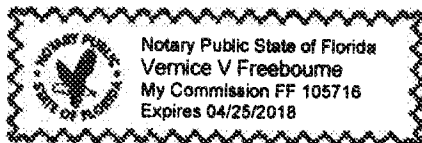
DATE: 8/6/15

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that RYAN M. NILSEN, 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.

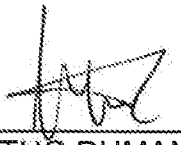
Given under my hand and notarial seal this 6th day of August, 2015.

My commission expires:



Vernice V Freebourne
Notary Public Signature

VERNICE V. FREEBOURNE
Printed Name of Notary Public


GOKTUG DUMAN

DATE: 08-26-15

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

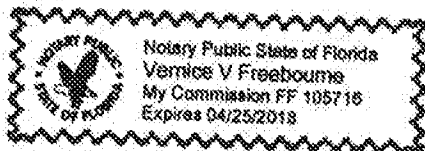
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that GOKTUG DUMAN, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 06 day of 08, 2015.

My commission expires:


Notary Public Signature

VERNICE V. FREEBOURNE
Printed Name of Notary Public



SIMON FRANKLIN

DATE : _____

1st Witness (signature)

Date

Please print name

2nd Witness (signature)

Date

Please print name

Barbara Millet
BARBARA MILLET

DATE: 8/3/2015

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

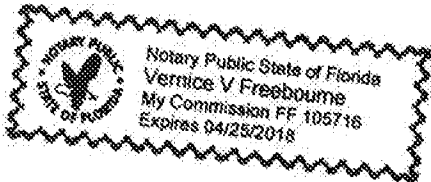
The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that BARBARA MILLET, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary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

Given under my hand and notarial seal this 3rd day of August, 2015.

My commission expires:

Vernice V Freebourn
Notary Public Signature

VERNICE V. FREEBOURN
Printed Name of Notary Public



BAN HIN OOI

DATE : _____

1st Witness (signature)

Date

Please print name

2nd Witness (signature)

Date

Please print name

MARK C. PALMER

DATE : _____

STATE OF _____)
COUNTY OF _____)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that MARK C. PALMER, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **RYAN M. NILSEN, FLORIDA, USA; GOKTUG DUMAN, FLORIDA, USA; SIMON FRANKLIN, GIVATAYIM, ISRAEL; BARBARA MILLET, FLORIDA, USA; BAN HIN COI, PENANG, MALAYSIA and MARK C. PALMER, ASTORIA, NEW YORK, USA**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA SOLUTIONS, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, 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 COMMUNICATION DEVICE (Docket No. **CM18361**), 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 nonprovisional, division, extension, continuation, reexamination or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA SOLUTIONS, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefore 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 **MOTOROLA SOLUTIONS, 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, reexamination or reissue to **MOTOROLA SOLUTIONS, INC.**, for the sole use and benefit of **MOTOROLA SOLUTIONS, 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 **MOTOROLA SOLUTIONS, INC.**

We covenant with MOTOROLA SOLUTIONS, 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.

STATE OF FLORIDA)
COUNTY OF BROWARD) ss

Given under my hand and notarial seal this _____ day of _____, 2015.

Printed Name of Notary Public

GOKTUG DUMAN

DATE : _____

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that GOKTUG DUMAN, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

Moss
SIMON FRANKLIN

DATE: 4-AUG-2015

Y/12 3/11
1st Witness (signature)

4-AUG-2015
Date

EHUD ELRAZ
Please print name

[Signature]
2nd Witness (signature)

4-AUG-2015
Date

Asaf Rafid
Please print name

BARBARA MILLET

DATE : _____

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that BARBARA MILLET, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

DATE: _____

Date _____

Date _____

CM18361
Page 6 of 7

MARK C. PALMER

DATE : _____

STATE OF _____)
COUNTY OF _____)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that MARK C. PALMER, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **RYAN M. NILSEN, FLORIDA, USA; GOKTUG DUMAN, FLORIDA, USA; SIMON FRANKLIN, GIVATAYIM, ISRAEL; BARBARA MILLET, FLORIDA, USA; BAN HIN OOI, PENANG, MALAYSIA and MARK C. PALMER, ASTORIA, NEW YORK, USA**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA SOLUTIONS, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, 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 **COMMUNICATION DEVICE** (Docket No. **CM18361**), 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 nonprovisional, division, extension, continuation, reexamination or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA SOLUTIONS, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefore 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 **MOTOROLA SOLUTIONS, 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, reexamination or reissue to **MOTOROLA SOLUTIONS, INC.**, for the sole use and benefit of **MOTOROLA SOLUTIONS, 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 **MOTOROLA SOLUTIONS, INC.**

We covenant with MOTOROLA SOLUTIONS, 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.

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

Given under my hand and notarial seal this _____ day of _____, 2015.

Printed Name of Notary Public

GOKTUG DUMAN

DATE : _____

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that GOKTUG DUMAN, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

SIMON FRANKLIN

DATE : _____

1st Witness (signature)

Date

Please print name

2nd Witness (signature)

Date

Please print name

BARBARA MILLET

DATE : _____

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)


The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that BARBARA MILLET, 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 _____, 2015.

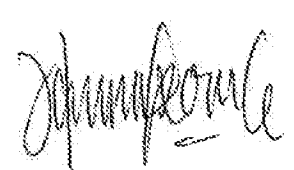
My commission expires:

Notary Public Signature

Printed Name of Notary Public


BAN HIN OOI

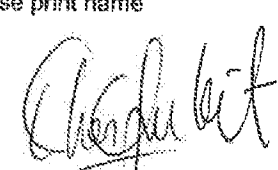
DATE: 4 AUG 2015


1st Witness (signature)

4 AUG 2015
Date

HOR WENG KONG

Please print name


2nd Witness (signature)

4 AUG 2015
Date

CHAN CHEE KIT

Please print name

MARK C. PALMER

DATE : _____

STATE OF _____)
COUNTY OF _____)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that MARK C. PALMER, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **RYAN M. NILSEN, FLORIDA, USA; GOKTUG DUMAN, FLORIDA, USA; SIMON FRANKLIN, GIVATAYIM, ISRAEL; BARBARA MILLET, FLORIDA, USA; BAN HIN OOI, PENANG, MALAYSIA and MARK C. PALMER, ASTORIA, NEW YORK, USA**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **MOTOROLA SOLUTIONS, INC.**, a corporation of the State of Delaware, having its principal office in Schaumburg, State of Illinois, 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 **COMMUNICATION DEVICE** (Docket No. **CM18361**), 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 nonprovisional, division, extension, continuation, reexamination or reissue thereof.

We hereby also sell, assign and transfer unto **MOTOROLA SOLUTIONS, INC.**, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefore 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 **MOTOROLA SOLUTIONS, 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, reexamination or reissue to **MOTOROLA SOLUTIONS, INC.**, for the sole use and benefit of **MOTOROLA SOLUTIONS, 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 **MOTOROLA SOLUTIONS, INC.**

We covenant with MOTOROLA SOLUTIONS, 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.

[illegible]

Given under my hand and notarial seal this _____ day of _____, 2015.

Printed Name of Notary Public

GOKTUG DUMAN

DATE : _____

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that GOKTUG DUMAN, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

SIMON FRANKLIN

DATE : _____

1st Witness (signature)

Date

Please print name

2nd Witness (signature)

Date

Please print name

BARBARA MILLET

DATE : _____

STATE OF FLORIDA)
)ss
COUNTY OF BROWARD)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that BARBARA MILLET, 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 _____, 2015.

My commission expires:

Notary Public Signature

Printed Name of Notary Public

BAN HIN OOI

DATE : _____

1st Witness (signature)

Date

Please print name

2nd Witness (signature)

Date

Please print name


MARK C. PALMER

8/6/2015 (MD)
DATE: 8/5/2015


STATE OF New York
COUNTY OF Richmond)^{ss}

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that MARK C. PALMER, 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 August, 2015.

My commission expires: 1/13/2018

TAMMIE A. BURGOS
Notary Public, State of New York
No. 01818296909
Qualified in Richmond County
Commission Expires 01/13/2018


Notary Public Signature
Tammie Burgos
Printed Name of Notary Public