504692344 12/18/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4739066

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIA MIN MOON	12/15/2017
HEAN KUAN ONG	12/15/2017
WEI HAN NGAN	12/15/2017

RECEIVING PARTY DATA

Name:	MOTOROLA SOLUTIONS, INC.	
Street Address:	500 W. MONROE STREET	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60661	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15844953

CORRESPONDENCE DATA

Fax Number: (416)920-1350

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.

Phone: 416-920-8170

Email: tchokrev@pckip.com

Correspondent Name: PERRY + CURRIER INC. (MSI)

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Address Line 2: SUITE 500

Address Line 4: TORONTO, CANADA M4T 1X3

ATTORNEY DOCKET NUMBER:	P7288US00
NAME OF SUBMITTER:	ZOYA TCHOKREV
SIGNATURE:	/Zoya Tchokrev/
DATE SIGNED:	12/18/2017

Total Attachments: 4

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PATENT REEL: 044420 FRAME: 0954

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, JIA MIN MOON, resident in Ipoh, Perak, Malaysia, HEAN KUAN ONG, resident in Georgetown Pulau Pinang (Penang), Malaysia, and WEI HAN NGAN, resident in Teluk Intan, Perak, Malaysia, 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 Chicago 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 DEVICE AND METHOD FOR TEXT ENTRY USING TWO AXES AT A DISPLAY DEVICE (Docket No PAT21263-US-PRI), 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 non-provisional, division, extension, continuation, re-examination, 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 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 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 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

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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.

JIA MIN MOON	DATE:
WITNESS SIGNATURE	DATE: 15/12/2017
GAN GUO DONG	
Printed Name of Witness	
	DATE: 15/12/2017
WITNESS SIGNATURE	
ADRIAN NG HO YIN .	
Printed Name of Witness	

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	DATE: 15 /2 /2017
HEAN KUAN ONG	
WITNESS SIGNATURE GAN GUO DONG	DATE: 15/12/2017
Printed Name of Witness	
WITNESS SIGNATURE	DATE: 15/12/2017
ADRIAN NG HO YIN	

Printed Name of Witness

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WEI HAN NGAN	DATE:
WITNESS SIGNATURE GAN GUO DONG	DATE: 15/12/2017
Printed Name of Witness WITNESS SIGNATURE	DATE: 15/12/2017
ADRIAN NO HO YIN	

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RECORDED: 12/18/2017

Printed Name of Witness