Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ruben D Castano	10/20/2008
Mark D Zaveson	10/07/2008
Stephen M Christopher	12/11/2008
Yiting Hu	09/30/2008
Renee M Garnham	09/30/2008

RECEIVING PARTY DATA

Name:	Motorola, Inc.
Street Address:	1303 E. Algonquin Road
Internal Address:	IL01-3rd Floor
City:	Schaumburg
State/Country:	ILLINOIS
Postal Code:	60196

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29322462

CORRESPONDENCE DATA

Fax Number: (847)523-2350

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 847-523-2345

Email: docketing.libertyville@motorola.com

Correspondent Name: Motorola. Inc.

600 North U.S. Highway 45 Address Line 1: Address Line 4: Libertyville, ILLINOIS 60048

ATTORNEY DOCKET NUMBER:	CS35885RS
NAME OF SUBMITTER:	Denice Krueger

PATENT 500734942 **REEL: 022001 FRAME: 0699**

Total Attachments: 24 source=CS35885RS_Assignment_Mark#page1.tif source=CS35885RS_Assignment_Mark#page2.tif source=CS35885RS_Assignment_Mark#page3.tif source=CS35885RS_Assignment_Mark#page4.tif source=CS35885RS_Assignment_Mark#page5.tif source=CS35885RS_Assignment_Mark#page6.tif source=CS35885RS Assignment Ruben#page1.tif source=CS35885RS_Assignment_Ruben#page2.tif source=CS35885RS_Assignment_Ruben#page3.tif source=CS35885RS_Assignment_Ruben#page4.tif source=CS35885RS_Assignment_Ruben#page5.tif source=CS35885RS_Assignment_Ruben#page6.tif source=CS35885RS_Assignment_Steven#page1.tif source=CS35885RS_Assignment_Steven#page2.tif source=CS35885RS_Assignment_Steven#page3.tif source=CS35885RS_Assignment_Steven#page4.tif source=CS35885RS_Assignment_Steven#page5.tif source=CS35885RS_Assignment_Steven#page6.tif source=CS35885RS_Assignment_Yiting_Renee#page1.tif source=CS35885RS_Assignment_Yiting_Renee#page2.tif source=CS35885RS_Assignment_Yiting_Renee#page3.tif source=CS35885RS_Assignment_Yiting_Renee#page4.tif source=CS35885RS_Assignment_Yiting_Renee#page5.tif source=CS35885RS_Assignment_Yiting_Renee#page6.tif

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, YITING HU, CHICAGO, ILLINOIS; RUBEN D. CASTANO, GLENVIEW, ILLINOIS; STEPHEN M. CHRISTOPHER, CHICAGO, ILLINOIS; RENEE M. GARNHAM, DEARBORN, MICHIGAN; MARK D. ZAVESON, ANTIOCH, ILLINOIS have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA, 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.CS35885RS, Filed on August 5, 2008; as Serial Number 29/322,462), 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 MOTOROLA, 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, 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, INC., for the sole use and benefit of MOTOROLA, 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, INC.

We agree that, when requested, we will, without charge to MOTOROLA, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be

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necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in MOTOROLA, INC., its successors, assigns and legal representatives or nominees.

We covenant with MOTOROLA, 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.

		DA	TE:	
YITING HU				
STATE OF	Illinois)		
COUNTY OF)ss)		
certify that \ appeared be	/ITING HU efore me the e instrume	otary Public in and for the l, whose name is subscri nis day in person and ack nt as their free and volur orth.	bed to the foregoing ins knowledged that they si	strument, gned, sealed and
Given ur	nder my ha	and and notary seal this _	day of	, 2008.
My commissio	n expires:		Notary Public Signature	9
			Printed Name of Notar	y Public

RUBEN D. CASTANO	DATE:	
STATE OF Illinois)		
COUNTY OF)		
The undersigned Notary Public in and for certify that RUBEN D. CASTANO , whose na instrument, appeared before me this day in pealed and delivered the instrument as their uses and purposes therein set forth.	ame is subscribed to the foregoing person and acknowledged that the	g ey signed,
Given under my hand and notary seal this	s day of	_, 2008.
My commission expires:	Notary Public Signature	

Printed Name of Notary Public

PTO/SB/27 (08-00)

PTO/SB/27	(08-00)

STEPHEN M. CHRIS	STOPHER DA	ATE:	
STATE OF Illinois))ss)		
certify that STEPHEN instrument, appeared	Notary Public in and for the North N	ose name is subscribed erson and acknowledged	to the foregoing that they signed,
Given under my h	and and notary seal this	day of	, 2008.
My commission expires:		Notary Public Signature	9
		Printed Name of Notary	/ Public

PTO/SB/27 (08-00)	

	DAT	E:	
RENEE M. GARNHA	M		
STATE OF Illinois	}		
COUNTY OF)ss)		
certify that RENEE ; N instrument, appeared	otary Public in and for the I. GARNHAM, whose nam before me this day in persenthe instrument as their free erein set forth.	e is subscribed to the on and acknowledged	foregoing I that they signed
Given under my ha	and and notary seal this _	day of	, 2008.
My commission expires:		Notary Public Signatur	e
		Printed Name of Notar	y Public

PTO/SB/27 (08-00) MARK D. ZAVESON STATE OF Illinois SSS	10/7/08
COUNTY OF Lake	
The undersigned Notary Public in and for the Cocertify that MARK D. ZAVESON , whose name is sinstrument, appeared before me this day in persor sealed and delivered the instrument as their free a uses and purposes therein set forth.	subscribed to the foregoing and acknowledged that they signed, and voluntary act and deed for the
Given under my hand and notary seal this	m day of <u>October</u> , 2008.
My commission expires:	Notary Public Signature
OFFICIAL SEAL DENICE KRUEGER NOTARY PUBLIC - STATE OF ILLINOIS MY COMMISSION EXPIRES:08/01/11	Printed Name of Notary Public

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, YITING HU, CHICAGO, ILLINOIS; RUBEN D. CASTANO, GLENVIEW, ILLINOIS; STEPHEN M. CHRISTOPHER, CHICAGO, ILLINOIS; RENEE M. GARNHAM, DEARBORN, MICHIGAN; MARK D. ZAVESON, ANTIOCH, ILLINOIS have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA, 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.CS35885RS, Filed on August 5, 2008; as Serial Number 29/322,462), 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 MOTOROLA, 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, 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, INC., for the sole use and benefit of MOTOROLA, 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, INC.

We agree that, when requested, we will, without charge to MOTOROLA, INC., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be

PTO/SB/27	(08-00)
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We covenant with MOTOROLA, 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.

YITING HU				DAT	E:				
STATE OF	Illinois)		•					
COUNTY OF)ss)							
The understanding that YI appeared before delivered the purposes there Given und	ore me thi instrumen ein set foi	s day in po t as their f th.	erson and ree and vo	ackno	owledge ry act a	d that the	ng instr ney sigr for the	umen ied, se uses	t.
My commission e	expires:								
					Notary I	Public Sig	ınature		
					Printed I	Vame of	Notary Pเ	ublic	

	PTO/SB/27 (08-00)				
	3422 a	\lesssim .	DATE:	10.20.200	o8
	RUBEN D. CASTANO		DATE		11.2.11
	STATE OF Illinois)			
	COUNTY OF)ss)			
	The undersigned Not certify that RUBEN D. Construment, appeared be sealed and delivered the uses and purposes them.	CASTANO, whose efore me this day e instrument as the	name is sub in person and	scribed to the fore	going at they signed,
	Given under my har	d and notary seal	this	day of	, 2008.
	My commission expires:		Nota	ary Public Signature	
				ted Name of Notary Pu	
Nien	ers 1=		Wit	ness 2 = Summer out. >0,1 08 Jessie Wan	
	Virton Wei			Thirming	
	Oor. 20,08			oct. >0,108	
	Virtan Wei Ook. 20,08 Virtan Wei			Jessie Wan	1

Vivan Wei

	DA7	r=·	
STEPHEN M. CHR	ISTOPHER	· · · · · · · · · · · · · · · · · · ·	
STATE OF Illinois))ss		
COUNTY OF)		
certify that STEPHE instrument, appeare	Notary Public in and for the EN M. CHRISTOPHER, who ed before me this day in person the instrument as their fre therein set forth.	se name is subscribed son and acknowledged	I to the foregoing I that they signed
Given under my	hand and notary seal this _	day of	, 2008.
My commission expires	:	Notary Public Signatur	re
		Printed Name of Notar	y Public

PATENT

REEL: 022001 FRAME: 0710

RENEE M. GARNHAM	DATE:
STATE OF Illinois	
COUNTY OF)ss	
sealed and delivered the instrument as the uses and purposes therein set forth. Given under my hand and notary seal to	eir free and voluntary act and deed for the
My commission expires:	-
	Notary Public Signature
	Printed Name of Notary Public

MARK D. ZAVESON		DATE:	
STATE OF Illinois)		
COUNTY OF)ss)		
instrument, appeared be sealed and delivered the uses and purposes there	fore me this day in particular in the instrument as their set forth.	the County and State aforence is subscribed to the forence son and acknowledged free and voluntary act and summer day of	egoing
My commission expires:		Noton, Dublic Cian	
		Notary Public Signature	
		Printed Name of Notary	Public

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, YITING HU, CHICAGO, ILLINOIS; RUBEN D. CASTANO, GLENVIEW, ILLINOIS; STEPHEN M. CHRISTOPHER, CHICAGO, ILLINOIS; RENEE M. GARNHAM, DEARBORN, MICHIGAN; MARK D. ZAVESON, ANTIOCH, ILLINOIS have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA, 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.CS35885RS, Filed on August 5, 2008; as Serial Number 29/322,462), 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.

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		DAT	E:	
YITING HU				
STATE OF	Illinois)		
COUNTY OF)ss)		
certify that \ appeared b	YITING HU efore me t e instrume	otary Public in and for the J, whose name is subscrib his day in person and ack ent as their free and volunt forth.	ed to the foregoing ins nowledged that they sig	trument, gned, sealed and
Given ur	nder my ha	and and notary seal this _	day of	, 2008.
My commission	on expires:		Notary Public Signature	
			Printed Name of Notary	Public

RUBEN D. CASTA	NO DAT	E:	
STATE OF Illinois)		
COUNTY OF)ss)		
certify that RUBEN instrument, appear	d Notary Public in and for the D. CASTANO, whose name ed before me this day in persed the instrument as their frees therein set forth.	is subscribed to the fo son and acknowledged	regoing that they signed,
Given under my	hand and notary seal this _	day of	, 2008.
My commission expire	s:	Notary Public Signature	
		Printed Name of Notary	Public

PTO/SB/27 (08-00)	
STEPHEN M. CHRISTOPHER	DATE: 12-11-08
OTEL TIEN M. OTMOTOL TIEN	
STATE OF Illinois) COUNTY OF COOK)	
certify that STEPHEN M. CHRIST instrument, appeared before me t sealed and delivered the instruments and purposes therein set for	C in and for the County and State aforesaid, do hereby FOPHER, whose name is subscribed to the foregoing this day in person and acknowledged that they signed, ent as their free and voluntary act and deed for the rth. ary seal this//_ day of, 2008.
My commission expires: 06/16/09	Notary Public Signature
	Printed Name of Notary Public
	OFFICIAL SEAL M OBLOY NOTARY PUBLIC - STATE OF ILLINOIS MMISSION EXPIRES:06/16/09

RENEE M. GARNHAM	ATE:	
STATE OF Illinois)		
COUNTY OF)		
The undersigned Notary Public in and for the certify that RENEE ; M. GARNHAM , whose nainstrument, appeared before me this day in pesealed and delivered the instrument as their fruses and purposes therein set forth.	me is subscribed to the ferson and acknowledged	oregoing that they signed
Given under my hand and notary seal this	day of	, 2008.
My commission expires:	Notary Public Signature	
	Printed Name of Notary	Public

MARK D. ZAVESON	DA	ATE:	
STATE OF Illinois)		
COUNTY OF)ss)		
certify that MARK D. Z instrument, appeared I	otary Public in and for the AVESON, whose name before me this day in perhe instrument as their file on set forth.	is subscribed to the erson and acknowled	foregoing ged that they signed,
Given under my ha	nd and notary seal this	day of	, 2008.
My commission expires:			

Notary Public Signature

Printed Name of Notary Public

PTO/SB/27 (08-00)

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, YITING HU, CHICAGO, ILLINOIS; RUBEN D. CASTANO, GLENVIEW, ILLINOIS; STEPHEN M. CHRISTOPHER, CHICAGO, ILLINOIS; RENEE M. GARNHAM, DEARBORN, MICHIGAN; MARK D. ZAVESON, ANTIOCH, ILLINOIS have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA, 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.CS35885RS, Filed on August 5, 2008; as Serial Number 29/322,462), 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.

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YITING HU

STATE OF

Illinois

COUNTY OF

Corr)s

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **YITING HU**, 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 notary seal this 36

My commission expires:

2.03.2011

LORI ANN HESS
STATE OF ILLINOIS
NOTARY PUBLIC
COOK COUNTY
COMMISSION #572919
MY COMMISSION EXPIRES
FEBRUARY 03, 2011

Notary Public Signatu

District Name of Nation Bubble

Printed Name of Notary Public

RUBEN D. CASTAN	IO DAT	E:	
STATE OF Illinois)		
COUNTY OF)ss)		
certify that RUBEN I instrument, appeare	Notary Public in and for the D. CASTANO, whose name d before me this day in person the instrument as their free herein set forth.	is subscribed to the fo son and acknowledged	oregoing I that they signed
Given under my l	nand and notary seal this _	day of	, 2008.
My commission expires:		Notary Public Signature)
		Printed Name of Notary	/ Public

STEPHEN M. CHRISTO	OPHER	DATE:		
STATE OF Illinois)			
COUNTY OF)ss)			
The undersigned Not certify that STEPHEN M nstrument, appeared be sealed and delivered the uses and purposes there	I. CHRISTOPHER, efore me this day in e instrument as the	, whose n persor	name is subscribed to and acknowledged t	o the foregoing that they signed
Given under my han	d and notary seal t	his	day of	, 2008.
My commission expires:			Notary Public Signature	
			Printed Name of Notary F	Public

		DATE:		
MARK D. ZAVESON		DATE:		
STATE OF Illinois)			
COUNTY OF)ss)			
The undersigned No certify that MARK D. 2 instrument, appeared sealed and delivered tuses and purposes the	before me this day in he instrument as thei	me is subscribed person and ackr	to the foregoing nowledged that they	signed,
Given under my ha	and and notary seal th	is day o	of,	2008.
My commission expires:				

Notary Public Signature

Printed Name of Notary Public

PTO/SB/27 (08-00)

RECORDED: 12/18/2008

RENEE M. C	WHA		DATE:	9/30/	08	_
STATE OF Illin)				
COUNTY OF	core)				
certify that R instrument, a sealed and o uses and pu	ENEE; M. GA appeared befored the interpretation in the interpretat	y Public in and ARNHAM, whose me this day instrument as the name of the set forth. and notary seal	se name is s in person an neir free and	subscribed to nd acknowle	the foregoing dged that they s	signed, the
My commission	LORI ANI STATE OF I NOTARY COOK CO COMMISSION TY COMMISSION FEBRUARY	N HESS LLINOIS PUBLIC DUNTY N #572919	\subseteq	ary Public Signature of Name of N	HESS	

PATENT

REEL: 022001 FRAME: 0724