1	EXPRESS MAIL NO : EV203579482US
Form: PTO-1595 09 - 05 - 2	2003 IEET
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DOCKET NUMBER: CS22428RL	
To the Honorable Commissioner of Paten 102543	d original documents or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
David B. Cranfill David S. Brenner	Name: Motorola, Inc.
Michael E. Caine	Nume. Protoroid, are.
1	Internal Address: <u>Law Department</u>
Additional name(s) of conveying party(ies) Yes X No	
attached?	Church Addings, 1202 Fort Algenquin Bond
3 Name of conveyance: X Assignment Merger	Street Address: <u>1303 East Algonquin Road</u>
The igen	
Security Agreement Change of Name	City: <u>Schaumburg</u> State: <u>IL</u> Zip: <u>60196</u>
Other Other	
Execution Date: 8/11/03, 8/13/03, 8/18/03	Additional name(s) & address(es) Yes X No attached?
Application number(s) or patent number(s):	
If this document is being filed together with a new application	on, the execution date of the application is 8/18/03.
A. Patent Application No.(s)	B. Patent No.(s)
	,
10/100000	
10/650693	
Additional numbers attached	? Yes No
5. Name and address of party to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved:
Name: MOTOROLA, INC.	7. Total fee (37 CFR 3.41) \$40.00
Manie. <u>Motokoby inc.</u>	,, , , , , , , , , , , , , , , , , , ,
Internal Address:	Enclosed
AN472	Two to the formation of the second
	X Authorized to be charged to deposit account
Street Address:	8. Deposit account number: 502117
600 North U.S. Highway 45	Deposit account name: Motorola, Inc.
City: Libertyville	
9/04/2001 ³¹ 08YRHE ^{IL} 00000105 502117 716650 <u>6</u> 43 ⁰⁴⁸	(Attach duplicate copy of this page if paying by deposit account.)
FC:8021 40.00 BA DO NOT	USE THIS SPACE
9 Statement and signature.	information is true and correct and any attached convict
	information is true and correct and any attached copy is a e official document
Randall S. Vaas	8-28-2003
	nature Date
Total number of pages including cover sheet, attachments,	and documents: 13

Mail documents to be recorded with required cover sheet information to:

Mail Stop Patent Application, Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, DAVID B. CRANFILL, SPARTA, NJ; DAVID S. BRENNER, ARLINGTON HEIGHTS, IL; and MICHAEL E. CAINE, NEEDHAM, MA, 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 MULTIFUNCTION TRANSDUCER AND METHOD OF DRIVING (Docket No. CS22428RL), 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 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.

CS22428RL

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PATENT REEL: 014449 FRAME: 0352

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.

		DATE:	
DAVID B. CI	RANFILL		
STATE OF	NJ)	
COUNTY OF)ss)	
aforesaid, subscribed person and instrument purposes to Given u of, 200	do hereby to the for acknowled as their ferein set nder my heres.	certify that David B. (regoing instrument, are edged that they signed ree and voluntary act	or the County and State Cranfill whose name is opeared before me this day in i, sealed and delivered the and deed for the uses and this day
My commission	expires:		Notary Public Signature
			Printed Name of Notary Public

DAVID S. BRENNER	ener	DATE: _	8-18-03	
STATE OF IL)			
COUNTY OF)ss)			

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that David S. Brenner 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 <u>Jug</u>, 2003.

My commission expires: 23 200 7

STATE
OF ILLINOIS

NOTARY PUBLIC

Ovalified in Cook County

572919

STATE

Ovalified in Cook County

Notary Public Signature

Printed Name of Notary Public

MICHAEL E. CAINE	3	—— DATE	E:	
STATE OF MA))ss			
COUNTY OF	ý			
aforesaid, do her subscribed to the person and ackn instrument as th purposes therein	reby certify to foregoing in owledged the eir free and set forth.	that Michael nstrument, a at they signe voluntary ac	for the County and E. Caine whose nan appeared before metal, sealed and deliver and deed for the latter.	ne is this day in ered the
My commission expires:			Notary Public Signature	
			Printed Name of Notary Pu	blic

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, DAVID B. CRANFILL, SPARTA, NJ; DAVID S. BRENNER, ARLINGTON HEIGHTS, IL; and MICHAEL E. CAINE, NEEDHAM, MA, 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 MULTIFUNCTION TRANSDUCER AND METHOD OF DRIVING (Docket No. CS22428RL), 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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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.

DAVID B. CRANFILL

DATE: 8/13/03

STATE OF NJ COUNTY OF

)ss

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that David B. Cranfill 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 \3 day of _

2003.

My commission expires:

Notary Public Signature

SUSAN A. LORIG

Printed Name W Nother JERSEY

Commission Expires 4/18/2007

DAVID S. BRENNER		DATE:		
BAYES: BICLIVIER				
STATE OF IL)			
COUNTY OF)ss)			
The undersigned Nota certify that David S. Bree before me this day in per instrument as their free a	son and acknowledged t	scribed to the fo that they signed	regoing instrumer, sealed and delive	nt, appeared ered the
Given under my hand	and notarial seal this _	day of		, 2003.
My commission expires:				···
		Notary Pu	blic Signature	
		Printed Na	ame of Notary Public	

		I	DATE:		
MICHAEL E. CAIN	E				
STATE OF MA))ss				
COUNTY OF)				
The undersigned is certify that Michael appeared before me delivered the instrumtherein set forth.	E. Caine whose this day in pers	e name is sub on and ackno	scribed to thowledged that	ne foregoing instruction they signed, sea	ument, aled and
Given under my	hand and notar	ial seal this _	day of		, 2003.
My commission expires:			Notar	ry Public Signature	
			Printe	ed Name of Notary P	Public

PATENT

ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, DAVID B. CRANFILL, SPARTA, NJ; DAVID S. BRENNER, ARLINGTON HEIGHTS, IL; and MICHAEL E. CAINE, NEEDHAM, MA, 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 MULTIFUNCTION TRANSDUCER AND METHOD OF DRIVING (Docket No. CS22428RL), 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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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.

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CS22428RL

REEL: 014449 FRAME: 0360

Notary Public Signature

Printed Name of Notary Public

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.

		DATE:		
DAVID S. BRENNER				
STATE OF IL))ss			
COUNTY OF)			
The undersigned Notary that David S. Brenner who this day in person and ackn their free and voluntary act	se name is subscribe towledged that they	ed to the for signed, sea	aled and delivered the inst	ared before me
Given under my hand a	nd notarial seal this	s day of	-	, 2003.
My commission expires:		N	Notary Public Signature	
		P	rinted Name of Notary Public	

Michael E. C.	aine	DATE:	ananat	11,2003
MICHAEL E. CAINE		DATE	congress.	
STATE OF MA)			
COUNTY OF Morfelle)ss)			

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Michael E. Caine 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 11 th day of August

My commission expires: June 23, 2006

RECORDED: 08/28/2003

Notary Public Signature

Susan D. Cabana

Printed Name of Notary Public

CS22428RL

PATENT REEL: 014449 FRAME: 0363