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1-51-52	
	ATTORNEY DOCKET NO: CE0819 7 co
To the Assistant Commissioner (entrached original documents or convithereot
1. Name of conveying party(ies, Mansour Tahernezhaadi 10126824	2. Name and address of receiving party(ies):
Michael J. Kirk	Name: Motorola, Inc.
	- Internal Address: Corporate Offices
	Intellectual Property Department (3 rd Floor
Additional name(s) of conveying party(ies) attached? Yes X No	Street Address: 1303 E. Algonquin Rd.
3. Nature of Conveyance:	
x Assignment Merger	City: Schaumburg State: IL ZIP: 60196
Security Agreement Change of Name	Additional name(s) & address(es) attached? Yes X No
Other	Additional name(s) & address(es) attached?
Execution Date: January 13, 2000	
4. Application number(s) or patent numbers(s):	
If this document is being filed together with a new applic	cation, the execution date of the application is: January 21, 2000
A. Patent Application No.(s)	B. Patent No.(s)
······································	- 01 90000
Additional numbers	attached? Yes X No
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:
concerning document should be mailed:	
Name: Motorola, Inc.	7. Total fee (37 CFR 1.21(h)):\$ 40.00
Internal Address: Corporate Offices	
Attn: Intellectual Property Dept.	Enclosed
	Authorized to be charged to deposit account
Street Address: 1303 E. Algonquin Rd.	8. Deposit account number;
City: <u>Schaumburg</u> State: <u>IL</u> ZIP: 60195	(Attach duplicate copy of this page if paying by deposit account)
9. Statement and signature.	formation is true and correct and any attached copy is a true copy
of the original document.	
Cound Hannain Daladi Desistentian No. 42 211	within Burt 01/21/00
Sayed Hossain Beladi Registration No. 42,311 Name of Person Signing	Signature Date
	Total number of pages comprising cover sheet, attachments and document:
OMB No. 0651-0011 (exp. 4/94)	
Mail documents to be recorded with required cover sheet information	t detach this portion
	of Patents and Trademarks
Bo	ox Assignments
	ington, D.C. 20231
document to be recorded, including time for	r sheet is estimated to average about 30 minutes per reviewing the document and gathering the data needed,
and completing and reviewing the sample co to the U.S. Patent and Trademark Office. Off	over sheet. Send comments regarding this burden estimate fice of Information Systems, PK2-100C, Washington,
D.C.20231, and to the Office of Managemen	and Budget, Paperwork Reduction Project, (0651-0011),
Washington, D.C. 20503	
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	REEL: 010544 FRAME: 0647

PATENT APPLICATION

ASSIGNMENT AND AGREEMENT

For and in consideration of the sum of One Dollar to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Mansour Tahernezhaadi of Naperville, Illinois, and Michael J. Kirk of Mount Prospect, 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 improvement in Method and System for Controlling Echo Cancellation Using Zero Echo Path, Ringing, and Off-Hook Detection (Case No. CE08197R), 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 said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

We hereby also sell, assign and transfer unto the said MOTOROLA, INC., the entire right, title and interest in and to said 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 said invention and said applications for Letters Patent in foreign countries, and we further authorize the said 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 said 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 the said MOTOROLA, INC., for the sole use and behalf of said MOTOROLA, INC., its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed by us had this assignment not been made, and we hereby authorize and request the

Rev. 9/30/92

- 1 -

PATENT REEL: 010544 FRAME: 0648

equivalent authorities in foreign countries to issue the patents of their respective countries to the said

MOTOROLA, INC.

We agree that, when requested, we will, without charge to said 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 said inventions in any and all countries and for vesting title thereto in said MOTOROLA, INC., its successors, assigns and legal representatives or nominees.

We covenant with said 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.

Mansour Tahernezhaadi ahong 1-13-00 DATE	
(STATE OF JULINOUS)	
(COUNTY OF LOUKE)	
I, <u>Julia A. Harstman</u> , a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said 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^{44} day of 3^{44} day of 3^{44} day of 3^{44}	
SEAL SEAL $MY COMMISSION CORPES 8-27-2002$ $MY COMMISSION CORPES 8-27-2002$ $MY COMMISSION CORPES 8-27-2002$ $MY COMMISSION CORPES 8-27-2002$	
Michael J. Kirk J Kuch 1/13/00 DATE	
(STATE OF SILLARD)	
(COUNTY OF C SC 12)	
I, Julia A. Handman, a Notary Public in and for the County and State aforesaid, do hereby certify that the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered said 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 13rc day of day of	
Given under my hand and notarial seal this 13th day of <u>Jannany</u> , 20 55 SEAL OFFICIAL SEAL JULIA A. HORSTMANN NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION CYPIEES 8-27-2002	Producery 3
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RECORDED: 01/21/2000

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