

# PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Clifford I. DROWLEY</td> <td>11/13/1997</td> </tr> <tr> <td>Mark S. SWENSON</td> <td>11/13/1997</td> </tr> <tr> <td>Jennifer J. PATTERSON</td> <td>11/13/1997</td> </tr> <tr> <td>Shrinath RAMASWAMI</td> <td>11/13/1997</td> </tr> </tbody> </table>		Name	Execution Date	Clifford I. DROWLEY	11/13/1997	Mark S. SWENSON	11/13/1997	Jennifer J. PATTERSON	11/13/1997	Shrinath RAMASWAMI	11/13/1997		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>MOTOROLA, INC.</td> </tr> <tr> <td>Street Address:</td> <td>1303 East Algonquin Road</td> </tr> <tr> <td>Internal Address:</td> <td>Intellectual Property Dept.</td> </tr> <tr> <td>City:</td> <td>Schaumburg</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60196</td> </tr> </table>		Name:	MOTOROLA, INC.	Street Address:	1303 East Algonquin Road	Internal Address:	Intellectual Property Dept.	City:	Schaumburg	State/Country:	ILLINOIS	Postal Code:	60196
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (703)518-5499</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7036841111</p> <p>Email: sramunto@ipfirm.com</p> <p>Correspondent Name: Lowe Hauptman Ham &amp; Berner, LLP</p> <p>Address Line 1: 1700 Diagonal Road</p> <p>Address Line 2: Suite 300</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	T5077 (6,023,081)												
NAME OF SUBMITTER:	Randy A. Noranbrock												

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**PATENT**  
**REEL: 024576 FRAME: 0362**

Total Attachments: 2

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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Clifford I. Drowley of Phoenix, AZ; Mark S. Swenson of Higley, AZ; Jennifer J. Patterson of Mesa, AZ and Shrinath Ramaswami of Gilbert, AZ, 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 **SEMICONDUCTOR IMAGE SENSOR AND METHOD THEREFOR** (Attorney Docket No. SC10275P), described, illustrated and claimed in an application for Letters Patent of the United States of America executed by us, 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 inventions 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 the 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 and Trademarks 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 behoof of MOTOROLA, INC., its successors, assigns and legal representatives, to the full end of the term for which the 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 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.

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.

Clifford I. Drowley  
Clifford I. Drowley

Mark S. Swenson  
Mark S. Swenson

Jennifer J. Patterson  
Jennifer J. Patterson

Shrinath Ramaswami  
Shrinath Ramaswami

STATE OF ARIZONA )

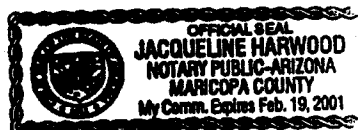
COUNTY OF MARICOPA )

I, JACQUELINE HARWOOD, a Notary Public in and for the County and State aforesaid, do hereby certify that Clifford I. Drowley, Mark S. Swenson, Jennifer J. Patterson and Shrinath Ramaswami, whose name(s) are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he/she signed, sealed and delivered the instrument as his/her free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13<sup>th</sup> day of NOVEMBER, 1997.

Jacqueline Harwood  
My commission expires on 2-19-2001

SEAL



Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department - Suite R3108, P.O. Box 10219, Scottsdale, Arizona 85271-0219.