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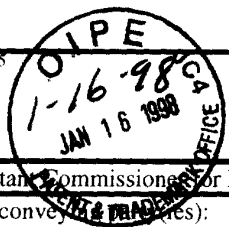
FORM PTO-1595  
1-31-92



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

100676361

CASE NO.: CP06058X



To the Assistant Commissioner for Patents Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Carl E. Wojewoda  
James F. Caruba  
Richard N. Sutliff  
 Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
 Name: Motorola, Inc.  
 Internal Address: Corporate Offices  
Intellectual Property Department

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
 Execution Date: 01/13/98

Street Address: 1303 E. Algonquin Road  
 City: Schaumburg State: IL ZIP: 60196  
 Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent numbers(s):  
 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
 A. Patent Application No.(s)  
SN: 08/901,892 filed 07/29/97  
 B. Patent No.(s)  
 \_\_\_\_\_  
 Additional numbers attached?  Yes  No

6. Total number of applications and patents involved: 1

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Motorola, Inc.  
 Internal Address: Corporate Offices  
Intellectual Property Department  
 Street Address: 1303 E. Algonquin Road  
 City: Schaumburg State: IL ZIP: 60196

7. Total fee (37 CFR 1.21(h)): ..... \$ 40.00 <sup>E</sup>  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
13-4772  
 (Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Brian M. Mancini 29,286  
 Name of Person Signing

[Signature] 1/13/98  
 Signature Date

Total number of pages comprising cover sheet, attachments and documents: 13

OMB No. 0651-0011 (exp. 4/94)

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Assistant Commissioner for Patents  
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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, **CARL E. WOJEWODA of LAKE ZURICH, IL, JAMES F. CARUBA of BARTLETT, IL, and RICHARD N. SUTLIFF of HAMPSHIRE, IL**, 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 TEMPERATURE COMPENSATION CIRCUIT FOR A CRYSTAL OSCILLATOR AND METHOD OF PROVIDING SAME (Case No. CP06058X), described, illustrated and claimed in an application for Letters Patent of the United States of America filed on **July 29, 1997**, serial No. **08/901,892**, 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 behoof 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 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.

Carle E. Wojewoda 19981E  
CARLE E. WOJEWODA DATE

(STATE OF ILLINOIS )  
(COUNTY OF COOK )

I, Sharon A. Mahoney, 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 8<sup>th</sup> day of January, 1998.

Sharon A. Mahoney  
Notary Public

My Commission expires: 3/23/98

SEAL



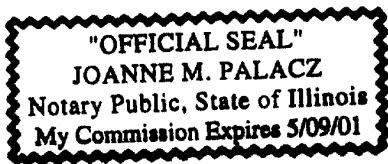
James F. Caruba 1/8/98  
JAMES F. CARUBA DATE

(STATE OF ILLINOIS )

(COUNTY OF COOK )

I, Joanne M. Palacz, 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 8 day of JANUARY, 1998.



SEAL

Joanne M. Palacz  
Notary Public

Richard N. Sutliff 1/12/98  
RICHARD N. SUTLIFF DATE

(STATE OF ILLINOIS )

(COUNTY OF COOK )

I, Rebecca Ann Nyce, 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 12th day of January, 1998.



SEAL

Rebecca Ann Nyce  
Notary Public 4/30/01