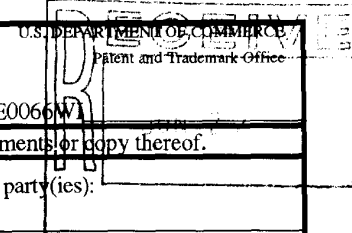


07-01-1998



NO: MSE0066W1
original documents or copy thereof.

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To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Yacov Efrat Itzhak Barak
Yaron Ben-Arie
Shao Wei Pan

2. Name and address of receiving party(ies):

Name: Motorola, Inc.
Internal Address: Corporate Offices
Intellectual Property Department

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Street Address: 1303 E. Algonquin Road

City: Schaumburg State: IL ZIP: 60196

Additional name(s) & address(es) attached? Yes No

Execution Date: 9/11/97 and 9/13/97

4. Application number(s) or patent numbers(s): 08/912,257 Filed 08/15/97

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Motorola, Inc.
Internal Address: Corporate Offices
Intellectual Property Department

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h)): \$ 40.00

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83-22-7
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ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, Yacov Efrat of 84965 Omer , Israel; Itzhak Barak of 69080 Tel Aviv , Israel; Yaron Ben-Arie of 52385 Ramat-Gan , Israel and Shao Wei Pan of 60047 Lake Zurich , Illinois USA, have sold, assigned and transferred, and do hereby sell, assign and transfer unto MOTOROLA, INC., a corporation of the State of Illinois, 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 **A METHOD FOR ELECTRONICALLY REPRESENTING A NUMBER, ADDER CIRCUIT AND COMPUTER SYSTEM** (Attorney Docket No. **MSE0066WI**), 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 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 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 inventions and said 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 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 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 said 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.

Aug 13 97
(date-spell month)

Yacov Efrat

ATTEST: Yacov Efrat appeared before me on the date shown above and executed the above document of his or her own free will and choice.

(Witness Signature)

HAGAI DAVIO
(Print Witness Name)

(Witness Signature)

JACOB KIRSCHENBAUM
(Print Witness Name)

Aug 13 97
(date-spell month)

Itzhak Barak

ATTEST: Itzhak Barak appeared before me on the date shown above and executed the above document of his or her own free will and choice.

(Witness Signature)

HAGAI DAVIO
(Print Witness Name)

(Witness Signature)

JACOB KIRSCHENBAUM
(Print Witness Name)

AUGUST 13 1997
(date-spell month)

Yaron Ben-Arie

ATTEST: Yaron Ben-Arie appeared before me on the date shown above and executed the above document of his or her own free will and choice.

(Witness Signature)

HAGAI DAVIO
(Print Witness Name)

(Witness Signature)

JACOB KIRSCHENBAUM
(Print Witness Name)

Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department, Corporate Offices - 3rd Floor, 1303 E. Algonquin Road, Schaumburg, Illinois 60196.

11 - August, 97
(date-spell month)

Shao Wei Pan
Shao Wei Pan

ATTEST: Shao Wei Pan appeared before me on the date shown above and executed the above document of his or her own free will and choice.

Barbara J. Grodahl
(Witness Signature)

Michael Lindsey
(Witness Signature)

Barbara J. Grodahl
(Print Witness Name)

MICHAEL LINDSEY
(Print Witness Name)

Address correspondence concerning this document to: Motorola, Inc., Intellectual Property Department, Corporate Offices - 3rd Floor, 1303 E. Algonquin Road, Schaumburg, Illinois 60196.