

PATENT ASSIGNMENT

SUBMISSION TYPE: NEW ASSIGNMENT

APPLICATION NUMBER
09/682607

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Conveying Party Name: Toshiharu Furukawa

Execution Date: 08/21/2001

Conveying Party Name: Mark C. Hakey

Execution Date: 08/23/2001

Conveying Party Name: Steven J. Holmes

Execution Date: 08/21/2001

Conveying Party Name: William H. Ma

Execution Date: 08/21/2001

RECEIVING PARTY DATA

Receiving Party Name: International Business Machines Corporation

Street Address: New Orchard Road

Internal Address:

City: Armonk

State: NEW YORK

Country:

Postal Code: 10504

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** 518-220-1857

CORRESPONDENCE DATA:

Correspondence will be sent via US Mail when a fax number has not been provided or the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 005409

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

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PATENT
REEL: 012003 FRAME: 0607

NAME OF PERSON SIGNING: Mark F. Chadurjian

DATE SIGNED: 09/25/2001

Total Attachments: 3

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PATENT

REEL: 012003 FRAME: 0608

ASSIGNMENT

Whereas, We

(1) Toshiharu Furukawa
County of ChittendenCity of Essex Junction
and State of Vermont(2) Mark C. Hakey
County of FranklinCity of Fairfax
and State of Vermont(3) Steven J. Holmes
County of ChittendenCity of Milton
and State of Vermont(4) William H. Ma
County of DutchessCity of Fishkill
and State of New York

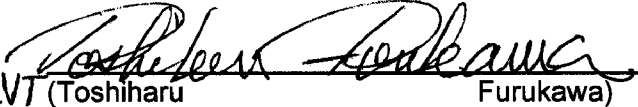
have invented certain improvements in a:

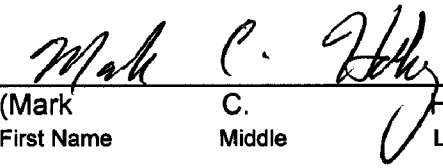
INCREASED CAPACITANCE TRENCH CAPACITOR

Dates That and executed, respectively, a United States patent application therefor on
Inventors
Signed the (1) Aug. 21 2001; (2) Aug. 23, 2001;
Declaration (3) Aug. 21 2001; and (4) Aug. 21 2001.

And whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) at Essex Junction, VT  Signature
on 8/21/ 2001 (Toshiharu Furukawa) Inventor
First Name Middle Last Name

(2) at Essex Junction, VT.  Signature
on 8/21/ 2001 (Mark C. Hakey) Inventor
First Name Middle Last Name

ASSIGNMENT

(3) at Essex Junction, VT Steven S. Holmes Signature
on August 21 2001 (Steven J. Holmes) Inventor
First Name Middle Last Name

(4) at _____ Signature
on _____ 2001 (William H. Ma) Inventor
First Name Middle Last Name

AUG 21 '01 14:31 FR IBM BURLINGTON IPLAW 802 7698938 TO 918458923039

P.07/10

Docket No.: BUR920010029US1

Express Mail #ET029404465US

ASSIGNMENT

(3) at Essex Junction, VT Steven S. Holmes Signature
on August 21 2001 (Steven J. Holmes) Inventor
First Name Middle Last Name

(4) at E. Foshkell, VT William H. Ma Signature
on Aug 21 2001 (William H. Ma) Inventor
First Name Middle Last Name