

In place of Form PTO-1595

Docket No. AUS920050107US1

RECORDATION FORM COVER SHEET
PATENTS

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

1. Name of conveying party(ies): (1) ROBERT ALLAN FAUST (2) JOHN DANIEL UPTON Additional name(s) of conveying party(ies) attached? ___ Yes <u>x</u> No	Execution Date: <u>7/16/05</u> <u>7/18/05</u>
2. Name and address of receiving party(ies): International Business Machines Corporation New Orchard Road Armonk, New York 10504	3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other _____

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s) 11/191641 B. Patent No.(s) _____

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

Mark E. McBurney
IBM Corporation
Intellectual Property Law
11400 Burnet Road
Austin, TX 78758
(512) 823-1003

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

___ Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

09-0447

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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.

Mark E. McBurney
Name of Person Signing

Mark E. McBurney
Signature

7-28-05
Date

Total number of pages including cover sheets 3

CH \$40.00 090447 11191641

IBM DOCKET NO. AUS920050107US1

A S S I G N M E N T

Whereas, we,

(1) Robert Allan Faust of Highlands Ranch
County of Douglas and State of Colorado

and

(2) John Daniel Upton of Georgetown
County of Williamson and State of Texas

have invented certain improvements in

**METHOD AND APPARATUS FOR GENERATING MULTIPLE ANALOG SIGNALS USING A SINGLE
MICROCONTROLLER OUTPUT PIN**

and executed, respectively, a United States patent application therefore on
(Dates Inventors Signed Declaration) (1) 7/16/2005, 2005, and
(2) _____, 2005.

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 therefore;

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 invention set forth in said
application 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) Signed at Highlands Ranch, Co on 7/16/2005, 2005.

Robert Allan Faust
Robert Allan Faust

and (2) Signed at _____ on _____, 2005.

John Daniel Upton

IBM DOCKET NO. AUS9200501070S1

A S S I G N M E N T

Whereas, we,

(1) Robert Allan Faust
County of Douglas

of Highlands Ranch
and State of Colorado

and

(2) John Daniel Upton
County of Williamson

of Georgetown
and State of Texas

have invented certain improvements in

METHOD AND APPARATUS FOR GENERATING MULTIPLE ANALOG SIGNALS USING A SINGLE MICROCONTROLLER OUTPUT PIN

and executed, respectively, a United States patent application therefore on (Dates Inventors Signed Declaration) (1) _____, 2005, and (2) 07-18-2005, 2005.

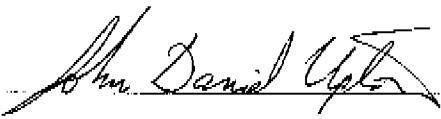
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents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

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 invention set forth in said application 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) Signed at _____ on _____, 2005.

Robert Allan Faust

and (2) Signed at Austin on 07-18, 2005.


John Daniel Upton