

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jieming Qi	07/16/2008
Eskinder Hailu	07/18/2008
David W. Boerstler	07/16/2008

RECEIVING PARTY DATA

Name:	International Business Machines Corporation
Street Address:	New Orchard Road
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12163081

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

AUS920070138US1

NAME OF SUBMITTER:

Gary W. Hamilton

Total Attachments: 4

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PATENT

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ASSIGNMENT

Whereas, we,

- | | |
|---|-------------------------------------|
| (1) <u>Jieming Qi</u>
County of Travis | of Austin
and State of Texas |
| (2) <u>Eskinder Hailu</u>
County of Travis | of Austin
and State of Texas |
| (3) <u>David W. Boerstler</u>
County of Williamson | of Round Rock
and State of Texas |

have invented certain improvements in

**CLOCK DUTY CYCLE MEASUREMENT WITH CHARGE PUMP WITHOUT USING
REFERENCE CLOCK CALIBRATION**

and executed, respectively, a United States patent application therefore on

(Dates Inventors Signed Declaration) (1) 7/16, (2008); (2) _____, (2008);
(3) 7/16, (2008).

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 Austin on 7/16, 2008.
(City) (Date)

Jianning Qi
Jianning Qi

(2) Signed at _____ on _____, 2008.
(City) (Date)

Eskinder Hailu

(3) Signed at Austin on 7/16, 2008.
(City) (Date)

David W. Boerstler
David W. Boerstler

AUS920070138US1

ASSIGNMENT

Whereas, we,

- (1) Jieming Qi of Austin
County of Travis and State of Texas
- (2) Eskinder Hailu of Austin
County of Travis and State of Texas
- (3) David W. Boerstler of Round Rock
County of Williamson and State of Texas

have invented certain improvements in

CLOCK DUTY CYCLE MEASUREMENT WITH CHARGE PUMP WITHOUT USING REFERENCE CLOCK CALIBRATION

and executed, respectively, a United States patent application therefore on
(Dates Inventors Signed Declaration) (1) _____, (2008); (2) 7/18, (2008);
(3) _____, (2008).

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.

AUS920070138US1

(1) Signed at _____ on _____, 2008.
(City) (Date)

Jieming Qi

(2) Signed at Sunnyvale on 7/18, 2008.
(City) (Date)

Eskinder Hailu
Eskinder Hailu

(3) Signed at _____ on _____, 2008.
(City) (Date)

David W. Boerstler