

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Thomas D. Needham		01/31/2007
Andrew R. Ranck		01/31/2007
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:	11670017	
CORRESPONDENCE DATA		
Fax Number:	(860)286-0115	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	860-286-2929	
Email:	nminer@cantorcolburn.com	
Correspondent Name:	Cantor Colburn LLP	
Address Line 1:	55 Griffin Road South	
Address Line 4:	Bloomfield, CONNECTICUT 06002	
ATTORNEY DOCKET NUMBER:	POU920060094US1	
NAME OF SUBMITTER:	Anne Davis Barry	
Total Attachments: 2		
source=POU920060094US1_Assignment#page1.tif		
source=POU920060094US1_Assignment#page2.tif		

CH \$40.00 11670017

500216646

PATENT
REEL: 018836 FRAME: 0993

A S S I G N M E N T

Whereas, we,

- (1) Thomas D. Needham of 88 Oakdale Avenue, City of Poughkeepsie,
County of Dutchess and State of NY 12601;
- (2) Andrew R. Ranck of 6 Osborne Road, City of Poughkeepsie,
County of Dutchess and State of NY 12601;

have invented certain improvements in

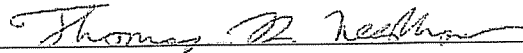
METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR USING DIRECT MEMORY
ACCESS TO INITIALIZE A PROGRAMMABLE LOGIC DEVICE

and executed, respectively, a United States patent application therefore on
(Dates Inventors Signed Declaration) (1) 11/31/2007, 2007; and
(2) 11/31/2007, 2007.

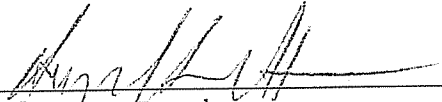
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of
New York, having a place of business at Armonk, New York 10504, (hereinafter
called IBM), desires to acquire the entire right, title and interest in the
said application and invention, and to any United States and foreign patents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

Now therefore, for a valuable consideration, receipt whereof is hereby
acknowledged, I, 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 I 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 I hereby agree that IBM
may apply for foreign Letters Patent on said invention and I 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 Poughkeepsie NY on January 31, 2007.


Thomas D. Needham

(2) Signed at Poughkeepsie NY on January 31, 2007.


Andrew R. Ranck