

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
EFFECTIVE DATE:	04/26/2007						
<b>CONVEYING PARTY DATA</b>							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ryan S. Haraden</td> <td>04/24/2007</td> </tr> <tr> <td>Adalberto G. Yanes</td> <td>04/24/2007</td> </tr> </tbody> </table>		Name	Execution Date	Ryan S. Haraden	04/24/2007	Adalberto G. Yanes	04/24/2007
Name	Execution Date						
Ryan S. Haraden	04/24/2007						
Adalberto G. Yanes	04/24/2007						
<b>RECEIVING PARTY DATA</b>							
Name:	International Business Machines Corporation						
Street Address:	New Orchard Road						
City:	Armonk						
State/Country:	NEW YORK						
Postal Code:	10504						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11740500</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11740500		
Property Type	Number						
Application Number:	11740500						
<b>CORRESPONDENCE DATA</b>							
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NAME OF SUBMITTER:	Robert R. Williams						
Total Attachments: 1 source=ROC920060450US1_Assignment#page1.tif							

CH \$40.00 11740500

**PATENT**

**500265985**

**REEL: 019217 FRAME: 0572**

# ASSIGNMENT

WHEREAS, we,

**Ryan S. Haraden;** and  
**Adalberto G. Yanes,**

have invented new and useful improvements in an invention entitled

## “PROTOCOL ENHANCEMENT FOR PCI EXPRESS”

for which an application for United States Letters Patent was filed on Apr. 24, having Serial No. Apr. 24; 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 same;

**NOW, THEREFORE**, in consideration of the sum of Ten Dollars (\$10.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, I hereby do sell, assign and transfer unto said IBM, the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any reissue, reexamination, division, continuation-in-part, extension or continuation thereof, including any regular utility patent application claiming priority thereon, and all rights of priority under the International Convention arising from said application; the same for its legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment and sale not been made;

**AND**, I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid IBM, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world. I hereby authorize attorneys for IBM to fill in the filing date and serial number of the patent application for the above-referenced invention on this Assignment when such information becomes available.

**IN WITNESS WHEREOF**, I have executed this assignment on the date written below.

4/24/07  
DATE

Ryan S. Haraden (L.S.)  
Ryan S. Haraden

04/24/07  
DATE

Adalberto G. Yanes (L.S.)  
Adalberto G. Yanes