

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Deepak K. Singh	08/22/2007
FRANCOIS IBRAHIM ATALLAH	08/22/2007
DAVID JOHN SEMAN	08/22/2007
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:	11844393
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Total Attachments: 1 source=assignment#page1.tif	

CH \$40.00 11844393

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PATENT  
REEL: 019740 FRAME: 0990

INVENTOR  
AND CITY

Whereas, we

(1) DEEPAK K. SINGH  
County of WAKE

of APEX,  
and State of NORTH CAROLINA,

and (2) FRANCOIS IBRAHIM ATALLAH  
County of WAKE

of RALEIGH,  
and State of NORTH CAROLINA,

and (3) DAVID JOHN SEMAN  
County of WAKE

of APEX,  
and State of NORTH CAROLINA,

have invented certain improvements in

TITLE                      **On-Chip Frequency Response Measurement**

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

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

(1) August 22, 2007, (2) August 22, 2007, (3) August 22, 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 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 in all 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 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.

Signed and sealed

Deepak K. Singh  
DEEPAK K. SINGH

on August 22, 2007

Francois Atallah  
FRANCOIS IBRAHIM ATALLAH

on August 22, 2007

David John Seman  
DAVID JOHN SEMAN

on August 22, 2007