

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RICHARD D. DETTINGER	07/19/2004
DANIEL P. KOLZ	07/19/2004
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	ARMONK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10504
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12748616
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<b>DATE SIGNED:</b>	01/12/2017
<b>Total Attachments: 1</b>	
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**ASSIGNMENT**

Whereas, we

(1) RICHARD D. DETTINGER  
County of OlmstedCity of Rochester,  
and State of Minnesota(2) DANIEL P. KOLZ  
County of OlmstedCity of Rochester,  
and State of Minnesota

have invented certain improvements in

**QUERY CONDITIONS-BASED SECURITY**

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

Dates Inventors

Signed

Declaration (1) July 19, 2004 (2) July 19, 2004

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 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 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.

**Signed**

Inventor (1) at Rochester, Minnesota  
on 7-19, 2004.

  
RICHARD D. DETTINGER Inventor Signature

Inventor (2) at Rochester, Minnesota  
on 7/19/04, 2004.

  
DANIEL P. KOLZ Inventor Signature