

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Matthew D. Love</td><td>02/08/2008</td></tr><tr><td>Daniel P. Van Vugt</td><td>02/08/2008</td></tr></tbody></table>	Name	Execution Date	Matthew D. Love	02/08/2008	Daniel P. Van Vugt	02/08/2008	
Name	Execution Date						
Matthew D. Love	02/08/2008						
Daniel P. Van Vugt	02/08/2008						
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							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11965860</td></tr></tbody></table>	Property Type	Number	Application Number:	11965860			
Property Type	Number						
Application Number:	11965860						
CORRESPONDENCE DATA							
Fax Number:	(512)823-1036						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	5128230494						
Email:	acostam@us.ibm.com						
Correspondent Name:	Jeffrey S. LaBaw						
Address Line 1:	11400 Burnet Rd.						
Address Line 2:	IBM-Intellectual Property Law						
Address Line 4:	Austin, TEXAS 78758						
ATTORNEY DOCKET NUMBER:	AU920070013US1						
NAME OF SUBMITTER:	Jeffrey S. LaBaw						
Total Attachments: 2 source=AU920070013US1Assign#page1.tif source=AU920070013US1Assign#page2.tif							

CH \$40.00 11965860

PATENT

500459284

REEL: 020481 FRAME: 0277

**ASSIGNMENT**

Whereas, we,

(1) **Matthew D. Love**  
**18/29 Central Avenue**  
**Maylands, Perth, WA**  
**6051 Australia**

(2) **Daniel P. Van Vugt**  
**45B Marian Street**  
**Innaloo, Perth, WA**  
**6018 Australia**

have invented certain improvements in

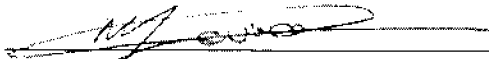
**PROCESSING ALGEBRAIC EXPRESSIONS FOR KEYED DATA SETS**

and executed, respectively, a United States patent application therefore on  
**(Dates Inventors Signed Declaration) (1) 12/28/2007 and (2) 12/28/2007**

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, 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.

(1) Signed at PERTH on 8 FEB, 2008.  
(City) (Date)

  
Matthew D. Love

(2) Signed at Perth, WA on 8 Feb, 2008.  
(City) (Date)

  
Daniel P. Van Vugt