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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Daniel Cohen	11/28/2007
Yigal Shai Dayan	11/27/2007
Josemina Magdalen	11/27/2007
Victoria Mazel	11/27/2007

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:	11951388

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ATTORNEY DOCKET NUMBER:	IL920070103US1/A9804
NAME OF SUBMITTER:	J. Warren Lytle Jr.

Total Attachments: 2

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PATENT REEL: 020203 FRAME: 0849

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PATENT REEL: 020203 FRAME: 0850 Whereas I/we

Docket No: IL920070103US1

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ASSIGNMENT

(1)	Daniel COHEN	oľ	Nataf, Israel
(2)	Yigal Shai DAYAN	of	Jerusalem, Israel
(3)	Josemina MAGDALEN	of	Jerusalem, Israel
(4)	Victoria MAZEL	of	Jerusalem, Israel
hav	e invented certain improvements in		
	Efficient Stemming of Semiti	c Languages	
place into and of place issue	aged by IBM to manage this patent appaber of said application when known: (Whereas, INTERNATIONAL BUSINE to of business at Armonk, New York 10 rest in the said application and invention of the said application and invention of the said application and invention assign, and transfer to IBM, its successinvention therein disclosed for the Unitriority resulting from the filing of said any Letters Patent grunted upon the in	SS MACHINES CORPORA SS MACHINES CORPORA 504, (hereinafter called IBM an, and to any United States a tion, receipt whereof is herei sors and assigns, the entire re ted States and foreign country United States application, are nyentions set forth in said ap foreign Letters Patent on sa	ATION, a corporation of New York, having a An desires to acquire the entire right, title and and foreign patents to be obtained therefor; by acknowledged, I, the above named, hereby ight, title and interest in the said application ries, and in all foreign countries, and all rights ad I request the Commissioner of Patents to plication to IBM, its successors and assigns; id invention and I will execute all papers.
Sign	ned:		
(1)_ I	Daniel COHEN	on November ?	(date)
(2) Š	igal Shai DAYAN	on	(date)
(3) _ J	osemina MAGDALEN	on	(date)
(4) V	Victoria MAZEL	on	(date)

PATENT REEL: 020203 FRAME: 0851

Docket No: IL920070103US1

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ASSIGNMENT

Whereas I/we				
(1) Daniel COHEN	of	Natnf, Israel		
(2) Yigal Shai DAYAN	of	Jerusalem, Israel		
(3) Josemina MAGDALEN	of	Jerusalem, Israel		
(4) Victoria MAZEL	of	Jorusalem, Israel		
have invented certain improvements in				
Efficient Stemming of Semit	ic Languages			
Application No/Filing Date: I/we hereby authorize and request the attorneys of IBM, and any law firm/attorney engaged by IBM to manage this patent application, to insert here in parentheses the filing date and application number of said application when known: 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, I, the above named, hereby sell, assign, and transfer to fBM, 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 I 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 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.				
Signed:				
(1)	_onNovembe	(date) - 27, 200 7 (date)		
(3) Maj dal Josemina MAGDALEN	_ November	24, 2007 (date)		
(4) Mayeell Victoria MAZEL	on November	27, 20(0 te)		

PATENT REEL: 020203 FRAME: 0852

RECORDED: 12/06/2007