504295843 03/29/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASIT DAN	01/18/2006
HENNER GIMPEL	01/12/2006
HEIKO LUDWIG	01/18/2006

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:	12136215

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: YOR920050517US2 **NAME OF SUBMITTER:** FRANK V. DEROSA SIGNATURE: /FRANK V. DEROSA/ **DATE SIGNED:** 03/29/2017

Total Attachments: 4

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> **PATENT** REEL: 041783 FRAME: 0717 504295843

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PATENT REEL: 041783 FRAME: 0718

ASSIGNMENT

Whereas, we

Inventor and City

((1) Asit Dan

County of Westchester

of Pleasantville

and State of New York

(2) Henner Gimpel

of Karlsruhe, Germany

and (3) Heiko Ludwig

County of New York

of New York

and State of New York

have invented certain improvements in

TITLE

METHODS AND APPARATUS FOR COORDINATING AND SELECTING PROTOCOLS FOR RESOURCES ACQUISITION FROM MULTIPLE RESOURCE MANAGERS

and executed a United States patent application therefor on

DATE THAT (1)	1/18/	2006 (2)		2006 and (3)	1/
INVENTORS				•	
SIGNED THE			•		
DECLARATION			-		

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 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.

Page 1 of 2

2006.

Attorney Docket No. <u>YOR920050517US1</u>

CITY DATE	Signed (1) at Haithar KNY on	(Asit Dan) INVENTOR FIRST NAME MIDDLE INITIAL	SIGNATURE LAST NAME
CITY DATE	Signed (2) at , on 2006,	(Henner Gimpel) INVENTOR FIRST NAME MIDDLE INITIAL	SIGNATURE LAST NAME
CITY and DATE	Signed (3) at #awlhone, NY on	(Heiko Ludwig) INVENTOR FIRST NAME MIDDLE INITIAL	SIGNATURE

Ryan, Mason & Lewis, LLP 90 Forest Avenue Locust Valley, New York 11560 (516) 759-2722

Page 2 of 2

ASSIGNMENT

Whereas, we

Inventor and City

((1) Asit Dan

County of Westchester

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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 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.

Page 1 of 2

Attorney Docket No. YOR920050517US1

CITY DATE	Signed (1) at on	, NY 2006,	(Asit Da	n) INVENTOR	SIGNATURE
DITTE			FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY DATE	Signed (2) at KAI on	QLSRUHE 12/2006,	Henner	Gimpel) INVENTOR	SIGNATURE
			FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY an	Signed d (3) at	, NY			SIGNATURE
CITY an DATE	on	on2006, (Heiko Ludwig) INVEN			LAST NAME
			FIRST NAME	MIDDLE INITIAL.	PVOT INVINIE

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Page 2 of 2

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