Form PTO 1595 1-31-82 08-17-1999



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101119728 er of Patents & Trademarks: Please record the attached original documents or copies thereof To the Honorable Com Amy S. Aldridge Gordon Scott Rulong 2. Name and address of receiving party(ies): Suresh Narayana Murthy Tingting Xu Name: International Business Machines Corporation Internal Address: Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance: Assignment Street Address: Merger New Orchard Road Security Agreement Change of Name Other City: State: NY ZIP 10504 Execution Date: Additional name(s) & address(es) attached? Yes No 4. Application number(s) or patent number(s) If this document is being filed together with a new application, the execution date of the application is:  $8\sqrt{99}$ A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes 5. Name and address of party to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: ...... **IBM** Corporation Name: Internal Address: Intellectual Property Law Internal Zip 4054 Enclosed Authorized to be charged to deposit account Street Address: 11400 Burnet Road 8. Deposit account number: 09-0447 (IBM Corporation) City: Austin ZIP: State: Texas 78758 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Jeffrey S. LaBaw, Reg. No. 31,633 Name of Person Signing **\$**ignature

Total number of pages including cover sheet:

#### ASSIGNMENT

Whereas, we,

- (1) Amy S. Aldridge of Indianapolis, County of Marion, State of Indiana;
- (2) Suresh Narayana Murthy of Indianapolis, County of Marion, State of Indiana;
- (3) Gordon Scott Rulong of Indianapolis, County of Marion, State of Indiana; and
- (4)Tingting Xu of Plano, County of Collin, State of Texas;

have invented certain improvement in IMPLEMENTING PERSISTENT OBJECT SERVICES (POS) ON TOP OF A RELATIONAL DATABASE and executed a United States patent application therefore on (1) 8-3-99, 1999; (2) 8-3-99, 1999; (3) \_\_\_\_\_, 1999; and (4) \_\_\_\_\_, 1999.

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, I, the above named, hereby scll, 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 I 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 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 at Indianapolis /N Indianapolis on 8-3, 1999. (1)

Signed at Indianapolis on 8-3-, 1999. (2)

Suresh Narayana Murthy

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(3)	Signed at	, Indianapolis on, 1999.
		Gordon Scott Rulong
(4)	Signed at	, Texas on, 1999.
		Tingting Xu

## **ASSIGNMENT**

Wher	eas, we,		
(1)	Amy S. Aldridge o	f Indianapolis, County of Marion, Stat	e of <u>Indiana</u> ;
(2)	Suresh Narayana N	furthy of Indianapolis, County of Mar	ion, State of Indiana;
(3)	Gordon Scott Rule	ng of <u>Indianapolis</u> , County of <u>Marion</u>	State of Indiana; and
(4)	Tingting Xu of Pla	no, County of Cöllin, State of Texas;	
SER'	VICES (POS) ON T at application therefor	ovement in IMPLEMENTING PER OP OF A RELATIONAL DATABA e on (1), 1999; (2) and (4), 1999.	ASE and executed a United States
the a right, and it applies the interest that	ew York, having a place to acquire the enti- Inited States and fore  Now therefore, for bove named, hereby title and interest in the foreign countries, and cation, and I request evention set forth in IBM may apply for issary in connection we	NATIONAL BUSINESS MACHINES ace of business at Armonk, New York ire right, title and interest in the said sign patents to be obtained therefore; or a valuable consideration, receipt where sell, assign, and transfer to IBM, its he said application and invention there deall rights of priority resulting from the Commissioner of Patents to issue said application to IBM, its successor foreign Letters Patent on said invention the United States and foreign application to IBM, and invention the United States and foreign application to IBM, and invention the United States and foreign application to IBM, and invention the United States and foreign application to IBM, and invention the United States and foreign application to IBM, and invention the United States and foreign application to IBM, and invention the United States and foreign application to IBM, and III are successed to the IBM, and II are successed to the IBM, are successed to the IBM, and II are successed to the IBM, and II are successed to the IBM, are successed to th	application and invention, and to application and invention, and to dereof is hereby acknowledged, I, successors and assigns, the entire ein disclosed for the United States at the filing of said United States any Letters Patent granted upon as and assigns; and I hereby agree ion and I will execute all papers
(1)	Signed at	, Indianapolis on	, 1999.
(2)	Signed at	Amy S. Aldrid	
		Suresh Naraya	na Murthy
	; 1 *	•	-
		-	
	•	Page 1	006372.00194:0443072.01

		Gar	, В	M DOCKET NO. AT9-98-878
(3)	Signed at Indianapolis	Indianapolis on	June 2	9, 1999.
			don Scott Ru	ulong
(4)	Signed at	_, Texas on		<b>.</b> 1999.
		·Ting	sting Xu	

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### **ASSIGNMENT**

Whe	reas, we,		
(1)	Amy S. Aldridge of	indianapolis, County of Marion, Sta	ate of <u>Indiana</u> ;
(2)	Suresh Narayana Mu	rthy of Indianapolis, County of Ma	rion, State of Indiana;
(3)	Gordon Scott Rulon	g of <u>Indianapolis</u> , County of <u>Mario</u>	n, State of <u>Indiana;</u> and
(4)	Tingting Xu of Plance	County of Collin, State of Texas;	
SER	VICES (POS) ON TO	rement in IMPLEMENTING PER P OF A RELATIONAL DATAB on (1), 1999; (2 and (4) June 23, 1999.	ASE and executed a United States
the a right, and it applies the ir	Now therefore, for a bove named, hereby se title and interest in the foreign countries, and station, and I request the twention set forth in sai	e of business at Armonk, New Yor right, title and interest in the said a patents to be obtained therefore; valuable consideration, receipt will, assign, and transfer to IBM, its said application and invention there all rights of priority resulting from the Commissioner of Patents to issued application to IBM, its successor	S CORPORATION, a corporation k 10504, (hereinafter called IBM), application and invention, and to hereof is hereby acknowledged, I, successors and assigns, the entire in disclosed for the United States in the filing of said United States any Letters Patent granted upon its and assigns; and I hereby agree tion and I will execute all papers
neces by IB	sary in connection with	the United States and foreign appli	ications when called upon to do so
(1)	Signed at	, Indianapolis on	, 1999.
		Amy S. Aldrid	ge
(2)	Signed at	, Indianapolis on	, 1999.
		Suresh Naraya	na Murthy
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PATENT REEL: 010159 FRAME ASE , 02

(3)	Signed at _	, Indianapolis on	, 1999.
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Gordon Scott Rulong

(4) Signed at plano, Texas on June 23, 1999.

Tingting Xu

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