

100828715

To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Pradeep Kumar Brett Olsson Charles Philip Roth

09-8-98

2. Name and address of receiving party(ies):

International Business
Machines Corporation
New Orchard Road
Armonk, New York 10504



		_	
3.	Nature	οf	conveyance:

X Assignment

Execution Dates: <u>Dubey - 04/30/98; Olsson - 05/01/98; and Roth - 04/29/98</u>

4. Application number(s) or patent number(s): 09149460

If this document is being filed together with a new application, the execution dates of the application are Dubey - 4/30/98; Olsson - 05/01/98; and Roth - 04/29/98

A. Patent Application No.(s)

B. Patent No.(s)

 Name and address of party to whom correspondence concerning document should be mailed:

> Anthony V. S. England IBM Corporation Intellectual Property Law Internal Zip 4054 11400 Burnet Road Austin, TX 78758 (512) 838-6640

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$ 40.00

 $\underline{\underline{X}}$ Authorized to be charged to IBM Corporation deposit account

8. IBM Corporation Deposit account number: 09-0447

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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 frue copy of the original document.

<u>Dan Venglarik</u> Name of Person Signing for FELSMAN, BRADKEY, GUNTER & DILLON, LLP

09/08/98 Date

Total number of pages including cover sheet: 4

09/15/1998 TTOH11 00000101 090447 09149466 01 FC:581 40.00 CH

> PATENT REEL: 9441 FRAME: 0581

IBM DOCKET NO. HO9-97-055

ASSIGNMENT						
Whereas, we,						
(1) <u>Pradeep Kumar Dubey</u> County of <u>Westchester</u>	of White Plains, and State of New York,					
and (2) <u>Brett Olsson</u> County of <u>Williamson</u>	of Round Rock, and State of <u>Texas</u> ,					
and (3) <u>Charles P. Roth</u> County of <u>Williamson</u>	of <u>Austin</u> , and State of <u>Texas</u> ,					
have invented certain improvements i	in					
WIDE SHIFTING IN	THE VECTOR PERMUTE UNIT					
and executed, respectively, a United (1) Afric 30,1948, 1998; (2) (3), 1998.	States patent application therefor on 2), 1998 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;						
acknowledged, we, the above named, its successors and assigns, the enti- application and invention therein di- countries, and all rights of priorit States application, and we request t Letters Patent granted upon the inve- IBM, its successors and assigns; and foreign Letters Patent on said inver-	consideration, receipt whereof is hereby hereby sell, assign, and transfer to IBM, are right, title and interest in the said isclosed for the United States and foreign by resulting from the filing of said United the Commissioner of Patents to issue any ention set forth in said application to have hereby agree that IBM may apply for ation and we will execute all papers ited States and foreign applications when					
(1) Signed at JORKTOWN HEIGHT	5 NYon APRIL 30, 1998, 1998.					
Pradre	Pradeep Kumar Dubey					
and (2) Signed at						
	Brett Olsson					
and (3) Signed at	, 1998.					
	Charles P. Roth					

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PATENT **REEL: 9441 FRAME: 0582**

IBM DOCKET NO. HO9-97-055

	ASSIGNMENT	
Whereas, we,		
(1) <u>Pradeep Kumar Dubey</u> County of <u>Westchester</u>	of <u>White Plair</u> and State of <u>N</u>	ls , New York ,
and (2) <u>Brett Olsson</u> County of <u>Williamson</u>	of <u>Round Rock,</u> and State of <u>1</u>	rexas_,
and (3) <u>Charles P. Roth</u> County of <u>Williamson</u>	of <u>Austin</u> , and State of <u>I</u>	<u>lexas</u> ,
have invented certain improv	rements in	
WIDE SHIP	TING IN THE VECTOR PER	MOTE UNIT
and executed, respectively, (1) (3)	a United States patent 1998: (2) Ol May 1998.	application therefor on, 1998 and
Whereas, INTERNATIONAL, New York, having a place of called IBM), desires to acqu said application and inventito be obtained therefor;	business at Armonk, Ne aire the entire right.	title and interest in the
acknowledged, we, the above : its successors and assigns, application and invention th	named, hereby sell, as the entire right, titl erein disclosed for th priority resulting fr equest the Commissione the invention set fort gns; and we hereby agr id invention and we wi the United States and	e and interest in the said to United States and foreign on the filing of said United or of Patents to issue any h in said application to the ee that IBM may apply for all execute all papers.
(1) Signed at	on	, 1998.
and (2) signed at Raleigh	Brett Olsson	Brett Olsson
		Charles P. Roth

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PATENT **REEL: 9441 FRAME: 0583**

ASSIGNMENT

Whereas, we,			
(1) Pradeep Kumar Dub County of Westchester		: <u>White Plains</u> , nd State of <u>New York</u> ,	
and (2) <u>Brett Olsson</u> County of <u>Williamson</u>		Round Rock, ad State of <u>Texas</u> ,	
and (3) <u>Charles P. Roth</u> County of <u>Williamson</u>	_ of _ an	<u>Austin</u> , d State of <u>Texas</u> ,	
have invented certain	improvements in		
WI	DE SHIFTING IN TH	E VECTOR PERMUTE UNIT	
and executed, respect (1) $(3) \frac{4/29}{}$	ively, a United S , 1998; (2) , 1998.	tates patent application	therefor on 1998 and
New York, having a pl called IBM), desires	ace of business a to acquire the en invention, and to	MACHINES CORPORATION, a out Armonk, New York 10504 tire right, title and into any United States and for	, (hereinafter terest in the
acknowledged, we, the its successors and as application and inven countries, and all ri States application, a Letters Patent grante IBM, its successors a foreign Letters Paten	above named, her signs, the entire tion therein disc ghts of priority nd we request the d upon the invent nd assigns; and we ton said invention with the Unite	ensideration, receipt when reby sell, assign, and trace right, title and interestlosed for the United State resulting from the filing Commissioner of Patents ion set forth in said appropriate that IBM records and we will execute and States and foreign applied.	ansfer to IBM, st in the said tes and foreign g of said United to issue any plication to may apply for ll papers
(1) Signed at		on	, 1998.
		Prac	deep Kumar Dubey
and (2) Signed at		_ on	, 1998.
			Brett Olsson
and (3) Signed at	Austin	on 4/29	, 1998.
		fronted Wiff	Charles P. Roth

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RECORDED: 09/08/1998