

Substitute Form P		<div style="position: relative; height: 40px;"> 12-20-2001 </div> <div style="position: absolute; top: 0; left: 50%; transform: translate(-50%, -50%); font-size: 1.5em; font-weight: bold;">101919633</div>	COVER SHEET MENTS ONLY	Attorney Docket No. RPS920010104US1
To The Honorable Commissioner of Patents and trademarks: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): William Edward Atherton Raghunath Reddy Kallem David James Rudda, Jr. David C. Wu		Execution date: <div style="text-align: center; font-size: 1.5em; margin-bottom: 10px;">11.7.01</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <u>Nov. 7, 2001</u> <u>Nov. 7, 2001</u> <u>Nov. 7, 2001</u> <u>Nov. 7, 2001</u> </div> <div style="width: 45%; border-bottom: 1px solid black;"></div> </div>		
2. Name and address of receiving party(ies): International Business Machines Corporation New Orchard Road Armonk, New York 10504	3. Nature of conveyance: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other </div> <div style="width: 45%;"> <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name </div> </div>			
4. Application number(s) or patent number(s): <input checked="" type="checkbox"/> New Patent Application, execution date of application <input type="checkbox"/> Patent Application Number: <u>10/008615</u> <input type="checkbox"/> Patent Number: _____		Execution/Filing/Issue Date <div style="text-align: center; font-size: 1.2em;"> <u>Nov. 7, 2001</u> Execution Date _____ Filing Date _____ Issue Date </div>		
5. Name and address of party to whom correspondence concerning document should be mailed: Andrew J. Dillon, Esq. Bracewell & Patterson, L.L.P. Suite 350, Lakewood on the Park 7600B North Capital of Texas Highway Austin, Texas 78731		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41). \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to charge any deficiency to deposit account 8. Deposit account number: <u>50-0563</u> (Attach duplicate copy of this page if paying by deposit account)		
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9. Statement and signature <i>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.</i> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <u>Martin McKinley</u> Name of Person Signing </div> <div style="width: 30%;"> <u>Martin McKinley</u> Signature </div> <div style="width: 30%;"> <u>11-7-01</u> Date </div> </div>				
Total number of pages including cover sheet, attachments, and documents: <u>3</u>				

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Mail documents to be recorded with required cover sheet information to:
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 Washington, D.C. 20231

PATENT
REEL: 012371 FRAME: 0081

11/07/01
 10/008615
 11/07/01

ASSIGNMENT

Whereas, I,

- (1) William Edward Atherton of Durham, Durham County, North Carolina
- (2) Raghunath Reddy Kallem of Durham, Durham County, North Carolina
- (3) David James Rudda, Jr. of Morrisville, Wake County, North Carolina
- (4) David C. Wu of Apex, Wake County, North Carolina

have invented certain improvements in

SYSTEM AND METHOD FOR PHYSICAL MEMORY ALLOCATION
IN ADVANCED OPERATING SYSTEMS

and executed, respectively, a United States patent application therefor on (Date Inventors Signed Declaration) (1) 11-7-, 2001; (2) 11-7, 2001; (3) 11-7, 2001; and (4) 11-7, 2001.

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, 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 invention 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 RTP, NC on 11 - 7, 2001.

William Edward Atherton
William Edward Atherton

(2) Signed at RTP, NC on 11 - 7, 2001.

Raghunath Reddy Kallem
Raghunath Reddy Kallem

(3) Signed at RTP, NC on 11 - 7, 2001.

David James Rudda, Jr.
David James Rudda, Jr.

(4) Signed at RTP, NC on 11 - 7, 2001.

David C. Wu
David C. Wu