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IBM Docket No.: RPS920030131US1 (IRA-10-5791)

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1. Name of conveying party(ies): 1) JEFFREY P. BRADFORD 2) GORDON T. DAVIS 3) DONGMING HWANG 4) CLARK D. JEFFRIES 5) SRINIVASAN RAMANI 6) KARTIK SUDEEP 7) KEN V. VU Additional names of conveying party(ies) attached? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>		2. Name and address of receiving party(ies): Name: <u>INTERNATIONAL BUSINESS MACHINES CORPORATION</u> Internal Address: <u>A New York corporation</u> Street Address: <u>New Orchard Road</u> City <u>Armonk</u> State <u>New York</u> Zip <u>10504</u> Additional name(s) & address(es) attached? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	
3. Nature of Conveyance <input checked="" type="checkbox"/> Assignment Merger Security Agreement Change of Name Other Execution Dates: 1) <u>DEC. 11, 2003</u> 2) <u>DEC. 11, 2003</u> ; 3) <u>DEC. 11, 2003</u> ; 4) <u>DEC. 15, 2003</u> ; 5) <u>JAN. 6, 2004</u> ; 6) <u>DEC. 10, 2003</u> ; and 7) <u>FEB. 16, 2004</u> .			
4. Application number(s) or patent number(s): Title: ACTIVE FLOW MANAGEMENT WITH HYSTERESIS If this document is being filed together with a new application, the execution date of the application is <u>10/782617</u> filed Feb. 19, 2004 A. Patent Application No(s). B. Patent No(s). Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
5. Name and address of party to whom correspondence concerning document should be mailed: Joscelyn G. Cockburn, Reg. No. 27,069 IBM Corporation. IP Law Dept. 9CCA/B002 3039 Cornwallis Road Research Triangle Park, NC 27709 (919) 543-9036 FAX: (919) 254-2649		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"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees 8. Deposit account number: <u>09-1990</u> (Attach duplicate copy of this page if paying by deposit account)	
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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 true copy of the original document. KAREN ORZECOWSKI <i>Karen Orzechowski</i> <u>MAY 4, 2004</u> Name of Person Signing Signature Date Tel: <u>919-543-7860</u> Total number of pages comprising transmittal: <u>7</u>			

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ASSIGNMENT

Whereas, I

Inventor

- (1) **JEFFREY P. BRADFORD**
of Rochester, Minnesota USA
- (2) **GORDON T. DAVIS**
of Chapel Hill, North Carolina USA
- (3) **DONGMING HWANG**
of Apex, North Carolina, USA
- (4) **CLARK D. JEFFRIES**
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- (5) **SRINIVASAN RAMANI**
of Cary, North Carolina, USA
- (6) **KARTIK SUDEEP**
of Austin, Texas, USA
- (7) **KEN V. VU**
of Cary, North Carolina, USA

have invented certain improvements in

Title:

ACTIVE FLOW MANAGEMENT WITH HYSTERESISDate That
Inventor

and have executed, respectively, a United States patent application therefor on

Signed the
and(1) _____, (2) 12/11/03, (3) 12/11/03,

Declaration

(4) 15 Dec 03, (5) 1/6/04, (6) _____ and(7) 2/16/04.

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 patent 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 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 and 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.

City (1) Signed at _____

Date on _____

(JEFFREY P. BRADFORD) Signature
)inventor

City (2) Signed at Research Triangle Park, NC

Date on 12/11/03

(GORDON T. DAVIS) Signature
)inventor

City (3) Signed at Research Triangle Park, NC

Date on 12/11/03

(DONGMING HWANG) Signature
)inventor

City (4) Signed at Research Triangle Park, NC

Date on 15 Dec 03

(CLARK D. JEFFRIES) Signature
)inventor

City (5) Signed at Research Triangle Park, NC

Date on 1/6/04

(SRINIVASAN RAMANI) Signature
)inventor

City (6) Signed at _____

Date on _____

(KARTIK SUDEEP) Signature
)inventor

City (7) Signed at Research Triangle Park, NC

Date on 2/16/04

Ken V. Vu Signature
(KEN V. VU))inventor

IBM Docket No. RPS920030131US1 (IRA-10-5791)

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Inventor

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- (1) 12/11/2003, (2) _____, (3) _____,
(4) _____, (5) _____, (6) 12/10/03 and
(7) _____.

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and I request the Commissioner of Patents to issue and 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.

City (1) Signed at Rochester, Minnesota
Date on 12/11/2003
Jeffrey P. Bradford Signature
(JEFFREY P. BRADFORD) inventor

City (2) Signed at Research Triangle Park, NC
Date on _____

(GORDON T. DAVIS) Signature
)inventor

City (3) Signed at Research Triangle Park, NC
Date on _____

(DONGMING HWANG) Signature
)inventor

City (4) Signed at Research Triangle Park, NC
Date on _____

(CLARK D. JEFFRIES) Signature
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City (5) Signed at Research Triangle Park, NC
Date on _____

(SRINIVASAN RAMANI) Signature
)inventor

City (6) Signed at Austin, TXDate on 12/10/03Kartik Sudeep Signature
(KARTIK SUDEEP) inventorCity (7) Signed at Research Triangle Park, NC

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