Electronic Version v1.1

Stylesheet Version v1.1

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| SUBMISSION TYPE: | | NEW ASSIGNMENT | | |
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| NATURE OF CONVEYANCE: | | ASSIGNMENT | ASSIGNMENT | |
| CONVEYING PARTY | ' DATA | <u>/</u> | | |
| | | Name | Execution Date | |
| Kathryn H. Britton | | | 04/12/2006 | |
| Peter J. Brittenham | | | 04/12/2006 | |
| Brent A. Miller | | | 04/12/2006 | |
| Nicholas D. Butler | | | 04/25/2006 | |
| RECEIVING PARTY | DATA | | | |
| Name: | International Business Machines Corporation | | | |
| Street Address: | Armonk | | | |
| City: | Armonk | | | |
| ir | NEW YORK | | | |
| State/Country: | UNEW TORK | | | |
| Postal Code: | 10504 | | | |
| · · · · | 10504 RS Total: 1 | Numbe | ۶۲ | |
| Postal Code: PROPERTY NUMBE Property T Application Number: CORRESPONDENCI | 10504 RS Total: 1 Type DATA (919)41 <i>be sent via US</i> (919) 28 eflandk(e: Charles 430 Dav Suite 50 | 6-8340 6-8340 7 <i>Mail when the fax attempt is unsuccessfu</i> 36-8000 @mvalaw.com L. Moore vis Drive | | |
| Postal Code: PROPERTY NUMBE Property T Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: | 10504 RS Total: 1 Type Type E DATA (919)41 be sent via US (919) 28 eflandk(es: Charles 430 Dav Suite 50 Morrisvi | 6-8340 6-8340 6 <i>Mail when the fax attempt is unsuccessfu</i> 36-8000 @mvalaw.com L. Moore vis Drive 00 | | |

REEL: 017587 FRAME: 0811

PATENT REEL: 017587 FRAME: 0812

Assignment

Kathryn H. Britton of 613 Caswell Road, Chapel Hill, NC 27514, Nicholas D. Butler of 12 Newlyn Walk, Romsey, Hampshire SO51 7WB, United Kingdom, Whereas We, Peter J. Brittenham of 241 Revmont Drive, Pittsboro, NC 27312 and Brent A. Iviiller of 305 Rushingwater Drive, Cary, NC 27512

In: USA

have invented certain improvements in

VIRTUALIZING A SET OF MANAGERS TO FORM A COMPOSITE MANAGER IN AN AUTONOMIC SYSTEM

and have executed a United States patent application therefor on

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;

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 and Trademarks 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.

SIGNED AND SEALED

at: on: April 12, 2006

Kathryn H. Buitto:

Nichotas D. Butler

Brent A. Miller

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PATENT REEL: 017587 FRAME: 0813

Assignment

Kathryn H. Britton of 613 Caswell Road, Chapel Hill, NC 27514, Nicholas D.
Butler of 12 Newlyn Walk, Romsey, Hampshire SO51 7WB, United Kingdom,
Whereas We, Peter J. Brittenham of 241 Revmont Drive, Pittsboro, NC 27312 and Brent A.
Miller of 305 Rushingwater Drive, Cary, NC 27513

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April ____, 2006

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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 and Trademarks 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.

SIGNED AND SEALED

at:

on: April <u>25</u>, 2006

Kathryn H. Britton

Nicholas D Ri

Nicholas D. Butler

Peter J. Brittenham

Brent A. Miller

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RECORDED: 05/08/2006