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Form PTO-1595
(Rev. 10/02)

U.S. DEPARTMENT OF COMMERCE
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OMB No. 0651-0027 (exp. 6/30/2005)

102274445

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Geoffrey S. Barrall
Simon L. Benham
Trevor Willis

11/01/02

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: BlueArc UK Limited

Internal Address: _____

Street Address: Queensgate House, Cookham Road

Bracknell, Berkshire, RG12 1RB, UK

City: _____ State: _____ Zip: _____

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: October 25, 2002

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

10/286015

If this document is being filed together with a new application, the execution date of the application is: 10/25/2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Jeffrey T. Klayman

Internal Address: Bromberg & Sunstein LLP

125 Summer Street

Street Address: _____

City: Boston State: MA Zip: 02110-1618

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

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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.

Jeffrey T. Klayman
Name of Person Signing

Signature

November 1, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 6

11/05/2002 WABDEL R1 00000033 10286015

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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: 013454 FRAME: 0475

10/286015
11/01/02

**ATTACHMENT FOR RECORDATION FORM COVER SHEET
PATENTS ONLY (Form PTO-1595)**

1. Name of conveying party(ies):

Christopher J. Aston

10/25/02
11/01/02
PTO
10/266015

Additional name(s) of conveying party(ies) attached?

Yes No

2. Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Name and address of receiving party(ies)

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

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: 10/25/02

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

Yes No

ASSIGNMENT

ASSIGNORS: Geoffrey S. Barrall
Simon Benham
Trevor Willis
Christopher J. Aston

ASSIGNEE: BlueArc UK Limited
Queensgate House
Cookham Road
Bracknell, Berkshire, RG12 1RB
United Kingdom

INVENTION: Apparatus and Method for Hardware-Based File System

ATTORNEY DOCKET: 2337/104

SERIAL NO: Not yet assigned

FILING DATE: Herewith

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the

following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

G. Barrall
Geoffrey S. Barrall, Assignor

Date: 10/25/02

Simon Benham, Assignor

Date: _____

Trevor Willis, Assignor

Date: _____

Christopher J. Aston, Assignor

Date: _____

ASSIGNMENT

ASSIGNORS: Geoffrey S. Barrall
Simon L. Benham
Trevor E. Willis
Christopher J. Aston

ASSIGNEE: BlueArc UK Limited
Queensgate House
Cookham Road
Bracknell, Berkshire, RG12 1RB
United Kingdom

INVENTION: Apparatus and Method for Hardware-Based File System

ATTORNEY DOCKET: 2337/104

SERIAL NO: Not yet assigned

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Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the