

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Geoffrey S. Barrall	10/25/2002
Simon L. Benham	10/23/2002
Trevor E. Willis	10/23/2002
Christopher J. Aston	10/23/2002

RECEIVING PARTY DATA

Name:	BlueArc UK Limited
Street Address:	Queensgate House, Cookham Road
City:	Bracknell, Berkshire
State/Country:	UNITED KINGDOM
Postal Code:	RG12 1RB

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11841353

CORRESPONDENCE DATA

Fax Number: (617)443-0004

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Email: mbrown@bromsun.com

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Address Line 2: Jeffrey T. Klayman

Address Line 4: Boston, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:

2337/117

NAME OF SUBMITTER:

Jeffrey T. Klayman

Total Attachments: 4

PATENT

500346485

REEL: 019772 FRAME: 0579

CH \$40.00 11841353

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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

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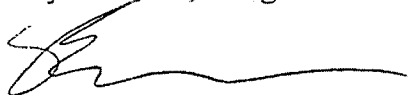
For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising 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.

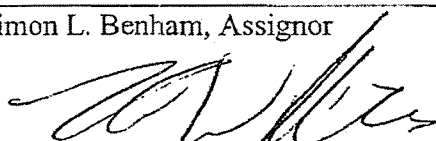
IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Geoffrey S. Barrall, Assignor



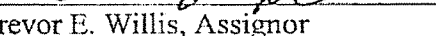
Date: _____

Simon L. Benham, Assignor



Date: 23/10/02

Trevor E. Willis, Assignor



Date: 23/10/02

Christopher J. Aston, Assignor



Date: 23/10/02