

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | |
|--|------------------------------------|---------------|----------------|---------------------|------------|---------------|------------|--------------|------------|----------------|------------|----------------|------------|----------------------|------------|---------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Geoffrey S. Barrall</td> <td>08/07/2001</td> </tr> <tr> <td>Trevor Willis</td> <td>08/06/2001</td> </tr> <tr> <td>Simon Benham</td> <td>09/03/2001</td> </tr> <tr> <td>Michael Cooper</td> <td>08/07/2001</td> </tr> <tr> <td>Jonathan Meyer</td> <td>08/07/2001</td> </tr> <tr> <td>Christopher J. Aston</td> <td>08/07/2001</td> </tr> <tr> <td>John Winfield</td> <td>08/06/2001</td> </tr> </tbody> </table> | | Name | Execution Date | Geoffrey S. Barrall | 08/07/2001 | Trevor Willis | 08/06/2001 | Simon Benham | 09/03/2001 | Michael Cooper | 08/07/2001 | Jonathan Meyer | 08/07/2001 | Christopher J. Aston | 08/07/2001 | John Winfield | 08/06/2001 |
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| Geoffrey S. Barrall | 08/07/2001 | | | | | | | | | | | | | | | | |
| Trevor Willis | 08/06/2001 | | | | | | | | | | | | | | | | |
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| Jonathan Meyer | 08/07/2001 | | | | | | | | | | | | | | | | |
| Christopher J. Aston | 08/07/2001 | | | | | | | | | | | | | | | | |
| John Winfield | 08/06/2001 | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12535402</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12535402 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 12535402 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
| Fax Number: | (617)443-0004 | | | | | | | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | | | | | |
| Phone: | 6174439292 | | | | | | | | | | | | | | | | |
| Email: | kwhitehouse@sunsteinlaw.com | | | | | | | | | | | | | | | | |
| Correspondent Name: | Jeffrey T. Klayman | | | | | | | | | | | | | | | | |
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| Address Line 2: | Sunstein Kann Murphy & Timbers LLP | | | | | | | | | | | | | | | | |
| Address Line 4: | Boston, MASSACHUSETTS 02110-1618 | | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 2337/119 | | | | | | | | | | | | | | | | |

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PATENT
REEL: 026324 FRAME: 0922

NAME OF SUBMITTER:

Jeffrey T. Klayman

Total Attachments: 3

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ASSIGNMENT

ASSIGNORS: Geoffrey S. Barrall
Trevor Willis
Simon Benham
Michael Cooper
Jonathan Meyer
Christopher J. Aston
John Winfield

ASSIGNEE: BlueArc UK Limited
Cutbush Court - Unit 3
Lower Earley, Reading RG6 4UW
United Kingdom

A British Company

INVENTION: Apparatus and Method for Hardware-Implementation or
Acceleration of Operating System Functions

ATTORNEY DOCKET: 2337/103

SERIAL NO: 09/879,798

FILED: June 12, 2001

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. S. Barrall
Geoffrey S. Barrall, Assignor

Date: 7 Aug 2001

Trevor Willis
Trevor Willis, Assignor

Date: 6 Aug 2001

Simon Benham
Simon Benham, Assignor

Date: 3rd September 2001

Michael Cooper
Michael Cooper, Assignor

Date: 7th August 2001

J. R. Meyer
Jonathan Meyer, Assignor

Date: 7th August 2001

C. J. Aston
Christopher J. Aston, Assignor

Date: 7 Aug 2001

J. Winfield
John Winfield, Assignor

Date: 6 Aug 2001

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