03/14/2002 15:16 FAX 617428079	2002
FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	ET U.S. DEPARTMENT OF COMMERC
To the Honorable Commissioner of Pate	4337
1. Name of conveying party(ies):  Geoffrey S. Barrall  See 1 in Addendum  Additional name(s) of conveying party(ies) attached?	Name and address of receiving party(les);  Name: BlueArc Ltd.
3. Nature of conveyance:  Assignment	Street Address: Cutbush Court. Unit 3  Lower Early, Reading. United Kingdom RG6 4UV  City: State: ZIP:
Execution Date: September 3, 2001	Additional name(s) & address(es) attached?
If this document is being filed together with a new application A. Patent Application No.(s)  09/879,798	B. Patent No.(s)
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents involved:
Name: Elizabeth P. Morano Internal Address: Bromberg & Sunstein LLP	7. Total fee (37 CFR 3.41)
Street Address: 125 Summer Street	8. Deposit account number:
City: Boston State: MA ZIP: 02110-1618	(Atlach duplicate copy of this page if paying by deposit account)  USE THIS SPACE
9. Statement and signature.  To the best of my knowledge and bellef, the foregoing information of the original document.  Elizabeth P. Morano  Name of Person Signing	ation is true and correct and any attached copy is a true scpy of  Mil Times  Signature  Date

Total number of pages including cover sheet, attachments, and document:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

(Farm PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

## Attachment to Form PTO - 1595 Recordation Form Cover Sheet

## Additional Conveying Parties

- Trevor Willis
- Simon Benham
- Michael Cooper
- Jonathan Meyer
- Christopher J. Aston
- John Winfield

PATENT REEL: 012493 FRAME: 0127

## **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

<u>INVENTION</u>: Apparatus and Method for Hardware-Implementation or

Acceleration of Operating System Functions

ATTORNEY DOCKET: 2337/103

<u>SERIAL NO</u>: 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

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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.

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PATENT REEL: 012493 FRAME: 0129 IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set

forth below.

6 Band	Date: 7 Am 2001
Geoffrey S. Barrall, Assignor	
Toldhis	Date: 6 Aug 2001
Trevor Willis, Assignor	~
Gr	Date: 3th September 2001
Simon Benham, Assignor	
Sichely	Date: 7 August 2001
Michael Cooper, Assignor	
J. R. Mayor	Date: > August 300
Jonathan Meyer, Assignor	
c.O.D.	Date: 7 Aug 2001
Christopher J. Aston, Assignor	
J. While	Date: 6 Aug 2001
John Winfield, Assignor	-

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**RECORDED: 01/14/2002** 

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