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International Bureau

56 9701760-2

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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶:

G06F 9/445, H04Q 3/545

A1

(11) International Publication Number:

WO 96/18146

(43) International Publication Date:

13 June 1996 (13.06.96)

(21) International Application Number: PCT/SE95/01452

(22) International Filing Date: 4 December 1995 (04.12.95)

(30) Priority Data:

9404297-5 9 December 1994 (09.12.94) SE
9503339-5 27 September 1995 (27.09.95) SE

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(81) Designated States: AU, BR, CA, CN, FI, JP, KR, MX, NO, SG, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: METHOD OF SYNCHRONIZATION ALLOWING STATE TRANSFER

(57) Abstract

The present invention relates to the replacement of software in an operating computer system, and in particular, to the synchronization of state transfer between processes within the old software to processes within the new software. The synchronization of state transfer between processes executing in the old and the new software comprises the following steps: preparing the old static process within the old software for a forthcoming shutdown, activating it for the state transfer; preparing the new static process within the new software to take over, transferring all resource objects in the old static process to the new static process; ordering the old static process to remove all services, terminating the old static process; and committing the new static process to take over, indicating that the new static process is the sole owner of all the resource objects previously claimed from the old static process.

