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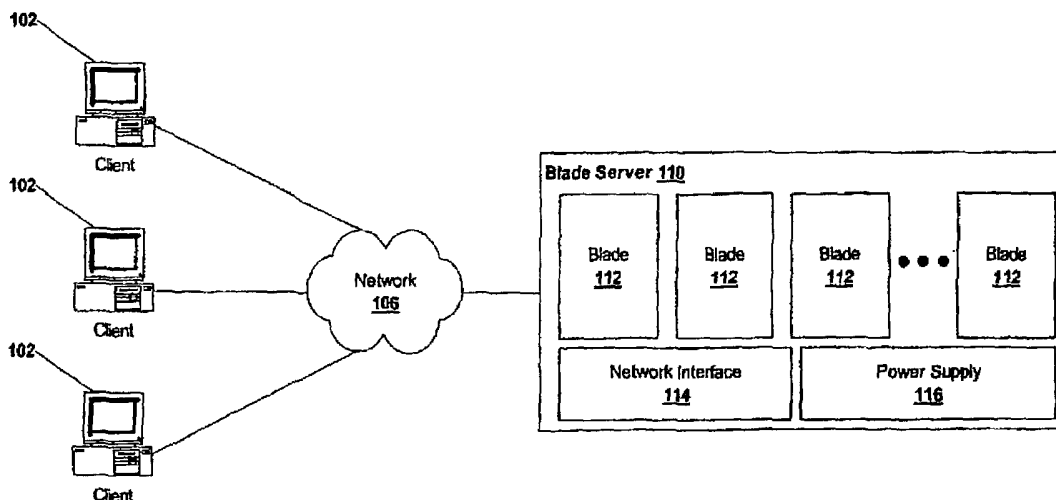
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[Continued on next page]

(54) Title: MANAGING A COMPUTER SYSTEM WITH BLADES



(57) Abstract: Managing a computer system having a plurality of blades by detecting the presence of a new blade in the computer system; installing an operating system on the new blade; configuring the operation system; and copying a service that is running on an earlier detected blade to the new blade. Further features are testing services and operating system on the new blade and cyclically shifting services through the blades.

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see PCT Gazette No. 51/2004 of 16 December 2004, Section II

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F9/445				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) IPC 7 G06F H04L				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	WO 03/005192 A (OSSIANSSON MAGNUS ; IDEKAPITAL AB (SE); REIMER MARKUS (SE)) 16 January 2003 (2003-01-16) page 1, line 13 - line 17 page 2, line 22 - line 23 page 3, line 9 - line 12 page 4, line 17 - line 27 page 5 - page 7 page 9, line 18 - line 19 page 11, line 22 - line 24 page 12 - page 14 page 15, line 10 - line 12 page 16	1-14, 16-27		
Y	page 18, line 13 - line 21 page 14, line 19 - line 20 ----- -/--	15		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.				
<input checked="" type="checkbox"/> Patent family members are listed in annex.				
° Special categories of cited documents :				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <ul style="list-style-type: none"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; border: none; vertical-align: top;"> <ul style="list-style-type: none"> *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. * & * document member of the same patent family </td> </tr> </table>			<ul style="list-style-type: none"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed 	<ul style="list-style-type: none"> *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. * & * document member of the same patent family
<ul style="list-style-type: none"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed 	<ul style="list-style-type: none"> *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. * & * document member of the same patent family 			
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <p style="text-align: center; font-size: 1.2em;">Dewyn, T</p>		

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International Application No

PCT/EP2004/050366

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	RICHMOND M ET AL: "A new process migration algorithm" OPER. SYST. REV. (USA), OPERATING SYSTEMS REVIEW, JAN. 1997, ACM, USA, vol. 31, no. 1, January 1997 (1997-01), pages 31-42, XP002273000 ISSN: 0163-5980 abstract page 31	15
A	----- WO 94/09585 A (DIGITAL SYSTEMS INT) 28 April 1994 (1994-04-28) page 14 - page 17	11
A	----- US 2003/046394 A1 (RAMAMURTHY BYRAVAMURTHY ET AL) 6 March 2003 (2003-03-06) the whole document	9
A	----- US 2002/133537 A1 (LEE DAVID C M ET AL) 19 September 2002 (2002-09-19) the whole document -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03005192	A	16-01-2003	WO 03005192 A1	16-01-2003
WO 9409585	A	28-04-1994	AU 4280793 A CA 2147601 A1 WO 9409585 A1 US 5467391 A	09-05-1994 28-04-1994 28-04-1994 14-11-1995
US 2003046394	A1	06-03-2003	AU 2886102 A AU 3274202 A AU 3656702 A EP 1352323 A2 EP 1332600 A2 EP 1360812 A2 US 2002083117 A1 US 2002055983 A1 WO 0239696 A2 WO 0237799 A2 WO 0243343 A2 US 2002055980 A1 US 2002055982 A1	15-05-2002 03-06-2002 21-05-2002 15-10-2003 06-08-2003 12-11-2003 27-06-2002 09-05-2002 16-05-2002 10-05-2002 30-05-2002 09-05-2002 09-05-2002
US 2002133537	A1	19-09-2002	NONE	