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[Continued on next page]

(54) Title: SOFTWARE FOR A REAL-TIME INFRASTRUCTURE

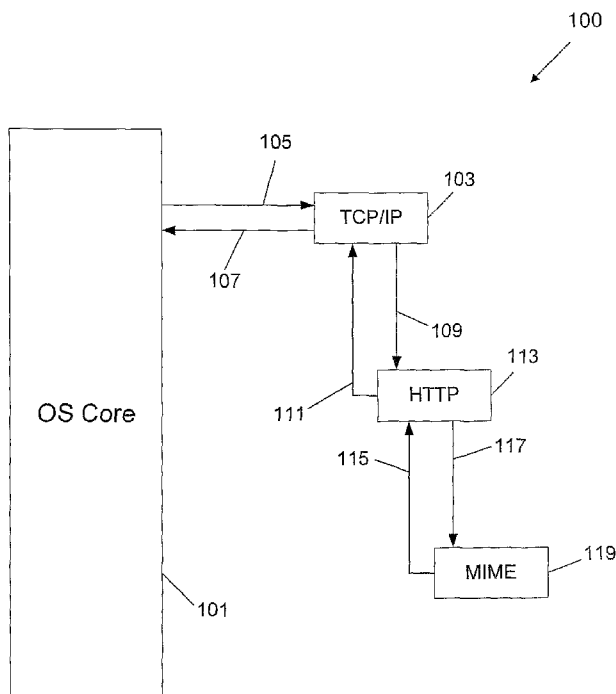


Fig. 1

(57) Abstract: An operating system having a plurality of interconnected operating system cores each of said operating system cores taking place in a system and each said operating system cores being efficient to exchange data with other operating system cores and applications programs.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 3/00 (2008.04)

USPC - 719/319

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)
USPC - 719/319

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 718/100, 105, 107; 719/329

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(PGPB,USPT,USOC,EPAB,JPAB); GOOGLE - operating system, os, core, multiple, multi-core, task, thread, application, crash, fault, recovery, tolerance, source, data, destination, control, block, data frame, function call, identifier, task identifier, feature identifier, pattern matching, clearance ring, privilege, access

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/0067771 A1 (KULBAK et al.) 22 March 2007 (22.03.2007) entire document, especially para [0014]; para [0017]; para [0029]; para [0031]; para [0053]; Fig. 1; Fig. 2; Fig. 4	1-5, 10, 18, 24, 25, 27-29, 36, 37, 39-47
Y		6-9, 11-17, 19-23, 26, 30-35, 38
Y	US 2004/0226013 A1 (MARIOTTI et al.) 11 November 2004 (11.11.2004) especially para [0004]	6-9
Y	US 2006/0031839 A1 (KANG) 09 February 2006 (09.02.2006) especially para [0047]	19, 20, 38
Y	US 2003/0115333 A1 (COHEN et al.) 19 June 2003 (19.06.2003) especially para [0067]	26
Y	US 5,535,214 A (SHIOBARA) 9 July 1996 (09.07.1996) especially col 9 ln 19-22	11-17
Y	US 2005/0240620 A1 (DANNER et al.) 27 October 2005 (27.10.2005) especially para [0041]	21
Y	US 7,093,231 B2 (NUSS) 15 August 2006 (15.08.2006) especially col 3 ln 36-39	22, 23
Y	US 2007/0028244 A1 (LANDIS et al.) 01 February 2007 (01.02.2007) especially para [0130]; para [0420]; para [0451]	30-32, 34, 35
Y	US 6,810,442 B1 (LIN et al.) 26 October 2004 (26.10.2004) especially col 13 ln 33-35	33

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"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
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"P" document published prior to the international filing date but later than the priority date claimed	

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