



(43) International Publication Date
22 November 2012 (22.11.2012)

- (51) International Patent Classification:
G06F 13/14 (2006.01) G06F 15/16 (2006.01)
G06F 13/38 (2006.01)
- (21) International Application Number:
PCT/US2012/038093
- (22) International Filing Date:
16 May 2012 (16.05.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/486,482 16 May 2011 (16.05.2011) US
- (71) Applicant (for all designated States except US): AVO-CENT [US/US]; 4991 Corporate Drive, Huntsville, AL 35805 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GEFFIN, Steven [US/US]; 19430 Ne 21st Court, Miami, FL 33179 (US).
- (74) Agents: ELCHUK, Mark, D. et al.; Harness, Dickey & Pierce, P.l.c., P.o. Box 828, Bloomfield Hills, MI 48303 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:
21 March 2013

(54) Title: SYSTEM AND METHOD FOR ACCESSING OPERATING SYSTEM AND HYPERVISORS VIA A SERVICE PROCESSOR OF A SERVER

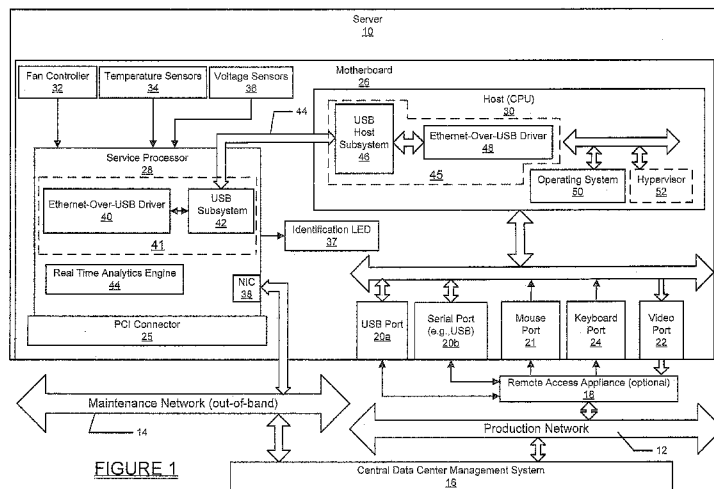


FIGURE 1

(57) Abstract: The present disclosure relates to a server that makes use of a host central processing unit (CPU) which accesses a production network to enable communications with a remotely located subsystem using the production network. A USB host system may be operably associated with the host CPU. A service processor may also be incorporated in the server, which is configured to communicate with an out of band network. A service processor USB system may be operably associated with the service processor and may communicate with the USB host system. This enables access to either an operating system or a hypervisor running on the host CPU via the out of band network, using an Ethernet-over-USB protocol.

WO 2012/158765 A3

A. CLASSIFICATION OF SUBJECT MATTER**G06F 13/14(2006.01)i, G06F 13/38(2006.01)i, G06F 15/16(2006.01)i**

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)

G06F 13/14; G06F 12/16; G06F 15/173; G06F 9/44; G06F 12/00; G06F 9/455; H04L 12/28; H04L 12/56

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: server, system, service, processor, host, cpu, usb, OOB, network, ethernet, hypervisor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0014526 A1 (CHAVAN MUKUND et al.) 21 January 2010 See paragraphs [0003],[0007]; and figure 1.	1-20
A	US 2010-0011178 A1 (FEATHERGILL DAVID ALLEN) 14 January 2010 See paragraphs [0028],[0033],[0035]; and figure 1.	1-20
A	US 2010-0180284 A1 (ROSS JONATHAN) 15 July 2010 See paragraphs [0024],[0025],[0061].	1-20
A	US 2010-0058335 A1 (WEBER BRET S.) 04 March 2010 See paragraph [0017]; and figure 1.	1-20
A	US 2007-0168498 A1 (TIMOTHY LAMBERT et al.) 19 July 2007 See paragraphs [0059],[0060]; and figure 7.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent 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 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

"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

Date of the actual completion of the international search

21 DECEMBER 2012 (21.12.2012)

Date of mailing of the international search report

26 DECEMBER 2012 (26.12.2012)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

LEE, Seok Hyung

Telephone No. 82-42-481-5983



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/038093

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010-0014526 A1	21.01.2010	US 7983257 B2	19.07.2011
US 2010-0011178 A1	14.01.2010	US 8046550 B2	25.10.2011
US 2010-0180284 A1	15.07.2010	CN 101776994 A	14.07.2010
		EP 2207094 A2	14.07.2010
		EP 2207094 A3	30.05.2012
		JP 2010-182297 A	19.08.2010
US 2010-0058335 A1	04.03.2010	None	
US 2007-0168498 A1	19.07.2007	None	