

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 April 2008 (03.04.2008)

PCT

(10) International Publication Number
WO 2008/039264 A1

(51) International Patent Classification:
H04L 12/46 (2006.01) **H04L 12/56** (2006.01)

(21) International Application Number:
PCT/US2007/016174

(22) International Filing Date: 17 July 2007 (17.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/535,617 27 September 2006 (27.09.2006) US

(71) Applicant (for all designated States except US): **THE BOEING COMPANY** [US/US]; 100 North Riverside Plaza, Chicago, IL 60606-2016 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FARRICKER, James, T.** [US/US]; 15717 451st Ave.s.e., North Bend, WA 98045 (US). **HERZBERG, Garry, G.** [US/US]; 15362 Se 182nd St, Renton, WA 98058 (US). **STOUT, Paul, S.** [US/US]; 3718 N. 33rd St., Tacoma, WA 98407 (US). **TAYLOR, Joshua, A.** [US/US]; 1035 240th Way S.E., Sammamish, WA 98075 (US).

(74) Agents: **TSUDA, Diane, M.** et al.; The Boeing Company, P.O. Box 2515, MC 110-SD54, Seal Beach, CA 90740-1515 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

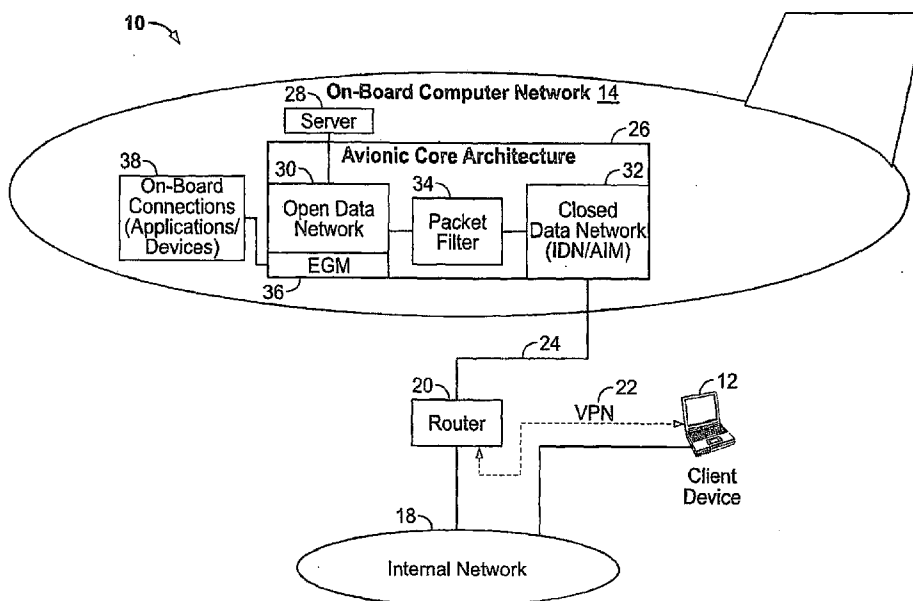
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: ROUTER FOR ESTABLISHING CONNECTIVITY BETWEEN A CLIENT DEVICE AND ON-BOARD SYSTEMS OF AN AIRPLANE



(57) Abstract: A system and method for establishing connectivity between a client device and an onboard computer network of an airplane are provided. The client device is connected for establishing communication with a network such as an enterprise intranet associated with the airplane. A virtual private network is created for establishing communication between a router and the client device. The client device is connected with an on-board server of the airplane via the router while maintaining connectivity between the personal computer and the network.

WO 2008/039264 A1



-
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*