



- (51) **International Patent Classification:**
H04L 12/28 (2006.01) H04B 7/26 (2006.01)
H04L 12/12 (2006.01)
- (21) **International Application Number:**
PCT/US2008/085211
- (22) **International Filing Date:**
2 December 2008 (02.12.2008)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
11/953,595 10 December 2007 (10.12.2007) US
- (71) **Applicant (for all designated States except US):**
WHIRLPOOL CORPORATION [US/US]; 2000 N
M-63, Benton Harbor, Michigan 49022 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** **MCCOY, Richard A.**
[US/US]; 5013 Notre Dame Ave., Stevensville, Michigan
49127 (US).
- (74) **Agent:** **BAIR, Joel E.**; McGarry Bair PC, 32 Market Ave-
nue, SW, Suite 500, Grand Rapids, Michigan 49503
(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, 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, ST, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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 (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- (88) **Date of publication of the international search report:**
27 August 2009

(54) **Title:** REMOTE USER INTERFACE FOR AN APPLIANCE NETWORK

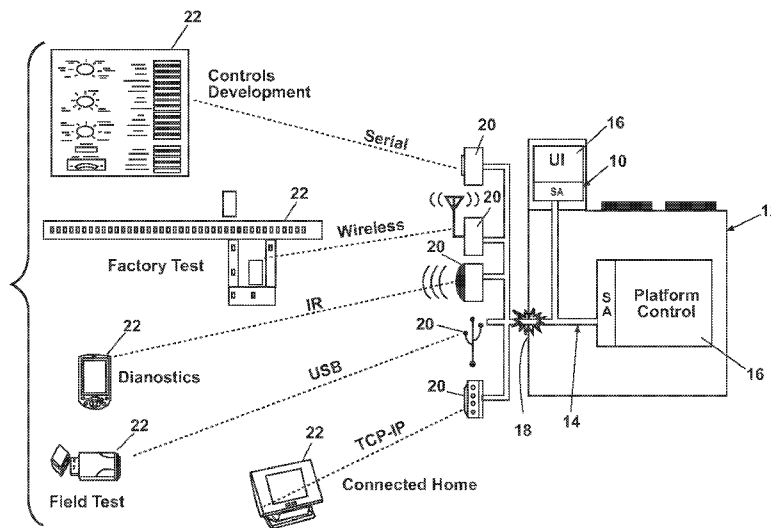




Fig. 1

(57) **Abstract:** An appliance network includes a remote user interface (16, 22, 208, 1060A1, 1060A2, 1060B1, 1060B2, 1060C1, 1060C2, 1060D1, 1060D2, 1060E1, 1060E2, 1128, 1154) and an appliance (12, 12', 1000, 1006, 1102, 2002) without a user interface (16, 22, 208, 1060A1, 1060A2, 1060B1, 1060B2, 1060C1, 1060C2, 1060D1, 1060D2, 1060E1, 1060E2, 1128, 1154). The remote user interface has one or more memory locations and includes an arbitrary software component (1060A1, 1060A2, 1060B1, 1060B2, 1060C1, 1060C2, 1060D1, 1060D2, 1060E1, 1060E2, 1128, 1154) for performing a useful function, and a software architecture (10, 1018, 1132) or a software architecture driver (1016, 1064) configured to create, alter, or enable transmission of messages. The remote user interface has capability to act as an accessory (1160) to communicate with the appliance and to affect a cycle of operation (100) of the appliance.

WO 2009/076092 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/085211

A. CLASSIFICATION OF SUBJECT MATTER		
<i>H04L 12/28(2006.01)i, H04L 12/12(2006.01)i, H04B 7/26(2006.01)i</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) IPC : H04L, H04B and G06F		
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 since 1975 Japanese Utility models and applications for Utility models since 1975		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EKIPASS(KIPO Internal) and Google		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2007-0162158 A1 (RICHARD A. MCCOY et al.) 12 July 2007 See the abstract, figs.1-3,44-47 and paragraphs [66]-[120], [487],[526]-[544].	1,3,5,6,8-14 2,4,7
A	US 2005-0203647 A1 (KENNETH D. LANDRY et al.) 15 September 2005 See the abstract, figs.1,3,7-9, paragraphs [39]-[53],[95]-[112] and claims 1-11.	1-14
A	US 2005-0096753 A1 (PAUL D. ARLING et al.) 5 May 2005 See the abstract, figs.1,4,6, paragraphs [17]-[18],[41]-[43],[60]-[61] and claims 1-5.	1-14
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 26 JUNE 2009 (26.06.2009)		Date of mailing of the international search report 26 JUNE 2009 (26.06.2009)
Name and mailing address of the ISA/KR  Korean Intellectual Property Office Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140		Authorized officer Yang, Jong Phil Telephone No. 82-42-481-8595 

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2008/085211

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007-0162158 A1	12.07.2007	None	
US 2005-0203647 A1	15.09.2005	US 7117051 B2 WO 2005-094233 A2	03.10.2006 13.10.2005
US 2005-0096753 A1	05.05.2005	AU 2004-290324 A1 CA 2543993 A1 EP 1682955 A2 US 7136709 B2 US 7155305 B2 US 7379778 B2 WO 2005-047996 A3	26.05.2005 26.05.2005 26.07.2006 14.11.2006 26.12.2006 27.05.2008 14.07.2005