

Title (en)

WIRELESS CONTROL OF UTILITY ELEMENTS USING RADIO BROADCAST CHANNELS AND METHOD THEREOF

Title (de)

DRAHTLOSE STEUERUNG VON VERSORGUNGSELEMENTEN UNTER VERWENDUNG VON RUNDFUNKKANÄLEN UND VERFAHREN DAFÜR

Title (fr)

COMMANDE SANS FIL D'ELEMENTS D'UTILITAIRES AU MOYEN D'UN CANAL DE DIFFUSION RADIO ET PROCEDE ASSOCIE

Publication

EP 1570641 A4 20070704 (EN)

Application

EP 03812409 A 20030912

Priority

- SG 0300218 W 20030912
- SG 200207318 A 20021202

Abstract (en)

[origin: WO2004051975A1] A wireless control system (10) to control utility elements at remote locations using radio broadcasts channels is described. The system (10) has a supervisory console (12) and an encoder (14). The console (12) comprises a user input interface (16), a system controller (18) and a storage medium (20). The console (12) allows an authorized user, via the interface (16), to configure, control and operate utility elements that are disposed at remote locations. The controller (18) has a security management module (38), a scheduler module (40), a logical grouping module (42), a transmission network management module (44), and a log manager (46). A utility control signal is modulated onto a sub-carrier for transmission together with a carrier of a radio broadcast channel. The utility control signal is received by a remote receiver and processed to control the utility elements.

IPC 8 full level

G08C 17/02 (2006.01); **H04L 29/06** (2006.01); **H04M 11/00** (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP)

G08C 17/02 (2013.01); **H04Q 9/00** (2013.01); **H04L 63/0428** (2013.01)

Citation (search report)

- [X] WO 9113523 A1 19910905 - FLEX PRODUCTS AS [DK]
- [XP] WO 03034570 A2 20030424 - TECHNICAL SUPPORT & SUPPLIES L [GB], et al
- [A] US 2002068544 A1 20020606 - BARZILAY ZIV [IL], et al
- See references of WO 2004051975A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2004051975 A1 20040617; **WO 2004051975 A8 20040916**; AU 2003261064 A1 20040623; EP 1570641 A1 20050907; EP 1570641 A4 20070704; SG 110004 A1 20050428

DOCDB simple family (application)

SG 0300218 W 20030912; AU 2003261064 A 20030912; EP 03812409 A 20030912; SG 200207318 A 20021202