Title (en)

SYSTEM AND METHOD FOR PROVIDING MODULAR CONTROL AND FOR MANAGING ENERGY CONSUMPTION

Title (de)

SYSTEM UND VERFAHREN ZUM VERSORGEN MIT MODULARER KONTROLLE UND ZUM MANAGEN VON ENERGIEVERBRAUCH

Title (fr)

SYSTEME ET PROCEDE PERMETTANT D'OBTENIR UNE COMMANDE MODULAIRE ET DE GERER LA CONSOMMATION D'ENERGIE

Publication

**EP 1073968 A1 20010207 (EN)**

Application

**EP 98918843 A 19980430**

Priority

US 9808584 W 19980430

Abstract (en)

[origin: WO9957646A1] A control system (10) is extremely flexible and modular and can be equipped or upgraded to have any number or combination of features, such as security, home theatre/audio (54A), HVAC (54C), energy management (54F), and lighting (54E) with each feature having a separate task unit. The task units can be added or removed from a core set of units within minimal impact on the core set of units. The core set of units includes a control database unit (44) that stores sets of commands in a relational database according to an input/output event and a command execution unit (50) that routes the commands to the appropriate task units for execution. The core set of units do not need to understand the input/output event or the commands but rather routes the commands to the task units addressed for execution. The system has a variable database (48) that contains a relational database of variables shared between the various task units and stores such things as keypad displays. The individual task units query the variable database unit (48) for values of all share variables and automatically receive any update in values of the shared variables from the variable database unit (48). The software (14) for the system is stored in flash ROM and can be automatically upgraded through a download task unit (52). The system may have an energy task unit (54F) that adjusts consumption of electricity based on any change in rate and which provides a pathway of communication with the electrical utility company.

IPC 1-7

**G06F 15/177**

IPC 8 full level

**G06F 15/177** (2006.01)

CPC (source: EP)

**H02J 13/00036** (2020.01); **H04L 12/12** (2013.01); H02J 2310/14 (2020.01); H02J 2310/60 (2020.01)

Citation (search report)

See references of WO 9957646A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9957646 A1 19991111**; AU 7169098 A 19991123; EP 1073968 A1 20010207

DOCDB simple family (application)

**US 9808584 W 19980430**; AU 7169098 A 19980430; EP 98918843 A 19980430