

Title (en)
BUILDING OPTIMIZATION SYSTEM AND LIGHTING SWITCH WITH ADAPTIVE BLIND, WINDOW AND AIR QUALITY CONTROLS

Title (de)
GEBÄUDEOPTIMIERUNGSSYSTEM UND LICHTSCHALTER MIT ADAPTIVEN JALOUSIE-, FENSTER- UND LUFTQUALITÄTSSTEUERELEMENTEN

Title (fr)
SYSTÈME D OPTIMISATION DE BÂTIMENT ET INTERRUPTEUR D ÉCLAIRAGE AVEC CONTRÔLE QUALITÉ ADAPTATIF DE STORE, DE FENÊTRE ET D AIR

Publication
EP 2272306 A1 20110112 (EN)

Application
EP 09728510 A 20090402

Priority
• US 2009039364 W 20090402
• US 4187408 P 20080402

Abstract (en)
[origin: WO2009124217A1] A building optimization system for optimizing an environment of a building is disclosed. The building optimization system includes a number of building optimization switches for controlling the environment of a corresponding space in a building according to a plurality of operation modes, as well as any number of modular, interchangeable binary controllers for controlling various environmental factors of a number of zones of a building. The building optimization includes switch an A/B lighting switch having lighting controls and a graphical display. The A/B lighting switch is further connected to one or more sensors for sensing and measuring environmental data of at least one zone of the building. The building optimization switch further includes a binary controller connected with the A/B lighting switch to control an environmental variable of the zone based on user input or the environmental data.

IPC 8 full level
F24F 11/00 (2006.01); **G06Q 50/00** (2006.01); **H05B 37/02** (2006.01)

CPC (source: EP US)
F24F 11/30 (2017.12 - EP US); **F24F 11/46** (2017.12 - EP US); **F24F 11/64** (2017.12 - EP US); **H05B 47/105** (2020.01 - EP US); **H05B 47/18** (2020.01 - EP US); **F24F 2120/10** (2017.12 - EP US); **H05B 47/11** (2020.01 - EP); **H05B 47/115** (2020.01 - EP US)

Citation (search report)
See references of WO 2009124217A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009124217 A1 20091008; AU 2009231670 A1 20091008; CA 2719932 A1 20091008; CA 2719932 C 20131022; CN 101999252 A 20110330; EP 2272306 A1 20110112; JP 2011517036 A 20110526

DOCDB simple family (application)
US 2009039364 W 20090402; AU 2009231670 A 20090402; CA 2719932 A 20090402; CN 200980112340 A 20090402; EP 09728510 A 20090402; JP 2011503185 A 20090402