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(71) Applicant: KONINKLIJKE PHILIPS N.V. [NL/NL];
High Tech Campus 5, NL-5656 AE Eindhoven (NL).


(54) Title: A METHOD FOR CONTROLLING BLIND SLAT ANGLE AND HEIGHT OF A SINGLE MOTOR BLIND

(57) Abstract: A method and corresponding system is disclosed that controls the blind slat angle and height using a single window blind motor. The system includes, an integrated lighting and daylight control system (110) including a window blind system (140) having one motor for controlling height and slat angle of the window blind system, and a processor in communication with a memory, the memory including code which when accessed by the processor causes the processor to determine movement of the window blind height and the window blind slat angle, wherein the processor converts a relative blind height and slat angle data to an absolute blind height and slat angle data based on predetermined specifications of the blind motor and window blind system, and sends the absolute data to the blind motor.

Window blinds microcontroller receives relative height and angle commands

Window blinds microcontroller calculates blind height and angle by converting relative units to absolute units

Window blinds microcontroller repositions the blind height and angle and determines a transition time

Window blinds microcontroller calibrates the system by determining reference parameters and then compensates for mechanical slack in the blind motor/system

FIG. 5

[Continued on next page]
Declarations under Rule 4.17:

— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(H))

— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(Hi))

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28 November 2013
A. **CLASSIFICATION OF SUBJECT MATTER**

INV.
B60J1/20
E06B9/32
H02K23/66
H05B37/02

**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)

B60J  E06B  H02K  H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal , WPI Data

C. **DOCUMENTS CONSIDERED TO BE RELEVANT**

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