

Title (en)

Apparatus based on electric motor that controls flow of conditioned air by opening and closing louvers of air outlet shutter

Title (de)

Vorrichtung auf der Basis eines Elektromotors, der den Strom klimatisierter Luft durch das Öffnen und Schließen der Lamellen der Luftauslassblende steuert

Title (fr)

Appareil basé sur un moteur électrique qui contrôle le débit d'air conditionné par l'ouverture et la fermeture de volets obturateurs de sortie d'air

Publication

EP 2107320 A1 20091007 (EN)

Application

EP 08154056 A 20080404

Priority

EP 08154056 A 20080404

Abstract (en)

An apparatus that controls flow of air in central air-conditioning system into the building's rooms. The apparatus has an electric motor that is adjacent to the shutter installed over the conditioned air inlet into the room. A temperature sensor transmits a signal to a receptor that transmits a signal to the electric motor to close or open the shutter's louvers according to need, and thus control the flow of conditioned air into the room. The rotation of the electric motor leads to the opening or closing of the shutter so as to permit or prevent flow of conditioned air into the room.

IPC 8 full level

F24F 13/14 (2006.01); **F24F 11/00** (2006.01); **F24F 13/075** (2006.01)

CPC (source: EP US)

F24F 11/30 (2017.12 - EP); **F24F 11/56** (2017.12 - EP US); **F24F 11/72** (2017.12 - EP US); **F24F 13/075** (2013.01 - EP); **F24F 13/1426** (2013.01 - EP)

Citation (search report)

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- [A] EP 0644381 A1 19950322 - SMITHS INDUSTRIES PLC [GB]
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Cited by

CN110382266A; CN103900231A; WO2021139624A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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