

Title (en)
SLIDING VENTILATOR GRILL WITH BIMETALLIC ACTUATOR

Title (de)
VENTILATORSCHIEBEGITTER MIT BIMETALLAUSLÖSER

Title (fr)
GRILLE DE VENTILATION COULISSANTE A ACTIONNEUR BIMETALLIQUE

Publication
EP 1278576 A1 20030129 (EN)

Application
EP 01921650 A 20010419

Priority

- GB 0101783 W 20010419
- GB 0010660 A 20000504

Abstract (en)
[origin: WO0183034A1] A stationary grill has openings (2) through which air can flow and a sliding sealing plate (3) positioned adjacent the grill (1) which has openings which register with the openings of the grill when the ventilator is in an open configuration and lands between the openings which register with the openings of the grill when the ventilator is in its closed configuration. Means are provided for imparting sliding movement to the sealing plate automatically in response to a predetermined elevated temperature. The movement imparting means comprises a spring (12) of bi-metallic material connected between the stationary grill and the sliding plate, the spring operating to resist movement of the sealing plate to retain the grill in its open configuration below a specified temperature and whose length increases at elevated temperatures to move the sliding plate relative to the stationary plate initially partially to close off the openings formed in the stationary plate and ultimately to fully close off these openings. Movement of the sliding plate is reversed as the ambient temperature returns to below the specified temperature.

IPC 1-7
A62C 2/18; **A62C 2/24**

IPC 8 full level
A62C 2/18 (2006.01); **A62C 2/24** (2006.01)

CPC (source: EP)
A62C 2/18 (2013.01); **A62C 2/245** (2013.01)

Citation (search report)
See references of WO 0183034A1

Citation (examination)
DE 2335393 A1 19750130 - SCHAKO METALLWARENFABRIK

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0183034 A1 20011108; AU 4861801 A 20011112; CN 1436089 A 20030813; EP 1278576 A1 20030129; GB 0010660 D0 20000628; GB 2361867 A 20011107; GB 2361867 B 20030326

DOCDB simple family (application)
GB 0101783 W 20010419; AU 4861801 A 20010419; CN 01811050 A 20010419; EP 01921650 A 20010419; GB 0010660 A 20000504