

Title (en)
NOVEL LOUVER SYSTEM

Title (de)
NEUARTIGES LÜFTUNGSGITTERSYSTEM

Title (fr)
NOUVEAU SYSTÈME D'ÉVENT À LAMES

Publication
EP 2844926 A4 20160113 (EN)

Application
EP 13765224 A 20130319

Priority
• US 201213424045 A 20120319
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Abstract (en)
[origin: WO2013142535A2] A louver system for controlling airflow in a duct from a forced air heating, ventilation, and air conditioning (HVAC) system with a housing and a louver located on a mounting fascia. The system having a longitudinal slat located in the perimeter wall that is movable between the fully open position and the fully closed position via a slat positioning assembly. The slat positioning assembly is powered by a mainspring assembly. A winding assembly is operatively coupled to the mainspring assembly which is wound by a motor or a hand crank. A local control system having a microprocessor, a transmitter, and a receiver sends a positioning signal to the slat positioning assembly that rotates the slat to a specified position via power from the mainspring assembly.

IPC 8 full level
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CPC (source: EP)
F24F 13/1426 (2013.01); **F24F 13/15** (2013.01); **F24F 2013/1446** (2013.01)

Citation (search report)
• [A] US 2011053487 A1 20110303 - CASEY DANIEL P [US]
• [A] US 4333489 A 19820608 - MAGILL ROBERT J, et al
• [A] WO 9426352 A1 19941124 - NV BRANDSTOPP AB [SE], et al
• [A] US 2006048525 A1 20060309 - COOK MATTHEW D [US]
• [A] EP 2385319 A2 20111109 - HARMONIC DESIGN INC [US]
• [A] US 2008178526 A1 20080731 - BROWNE ALAN L [US], et al
• [A] US 2001055947 A1 20011227 - MCCABE FRANCIS J [US]
• [A] US 2007202794 A1 20070830 - ANTILL ROBERT M [US]
• See references of WO 2013142535A2

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