

Title (en)
Air damper apparatus.

Title (de)
Luftklappe.

Title (fr)
Clapet d'air.

Publication
EP 0501073 B1 19950322 (EN)

Application
EP 91311768 A 19911218

Priority
CA 2037356 A 19910228

Abstract (en)
[origin: EP0501073A2] A damper for controlling air flow through an air duct is provided. The damper includes a mounting frame secured to the interior of the duct which has a circular opening for air flow therethrough when the damper is open. A circular damper plate is provided which is dimensioned to block the circular opening in the closed position. The plate can be moved and rotated to a fully open position. The plate is rotated by an actuator and movement of the damper plate is controlled by a coupling mechanism. This mechanism can have a pair of spaced guide plates each of which is provided with two arcuate, diverging guide slots. Corresponding guide slots in the two plates are aligned. A support bracket for the damper plate has two guide pins which extend through the aligned slots and are movable therein. <IMAGE>

IPC 1-7
F24F 13/14

IPC 8 full level
F24F 13/10 (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP)
F24F 13/1406 (2013.01); **F24F 13/1426** (2013.01); **F24F 13/1486** (2013.01); **F24F 2013/1466** (2013.01); **F24F 2013/1473** (2013.01)

Cited by
CN107270508A; EP4276371A1; US11300319B2; US11149980B2; US8430731B2; US11306941B2; US10401045B2; US12044430B2; WO2015028777A1; WO2008019519A1; WO03054454A1; WO2023010965A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0501073 A2 19920902; **EP 0501073 A3 19930127**; **EP 0501073 B1 19950322**; CA 2037356 A1 19920829; DE 69108378 D1 19950427; JP H04295538 A 19921020

DOCDB simple family (application)
EP 91311768 A 19911218; CA 2037356 A 19910228; DE 69108378 T 19911218; JP 440592 A 19920114