

Title (en)

Automotive air conditioning system controlled by damped pressure switch.

Title (de)

Durch einen gedämpften Druckschalter gesteuertes Klimaanlage-System für Kraftfahrzeuge.

Title (fr)

Système de climatisation d'automobile commandé par un interrupteur à pression amorti.

Publication

**EP 0088379 A1 19830914 (EN)**

Application

**EP 83102091 A 19830303**

Priority

US 35562882 A 19820308

Abstract (en)

The electrically operated clutch controlling operation of the compressor is regulated by a damped pressure switch. The pressure switch has a diaphragm which moves in response to pressure variation to actuate the switch. The force acting on the diaphragm is opposed by spring force. The housing is provided with a damping chamber between the diaphragm chamber and the restricted passage in the inlet. The restricted passage is the clearance between the hole drilled in the metal insert and the wire fixed in the hole. The restriction is selected relative to the damping chamber so the switch will not cycle more than four times per minute when sensing pressure at the outlet of a finned coil evaporator in an automotive air conditioning system operating under light load.

IPC 1-7

**H01H 35/30**

IPC 8 full level

**H01H 35/30** (2006.01)

CPC (source: EP)

**H01H 35/30** (2013.01)

Citation (search report)

- [Y] US 3535480 A 19701020 - BAHNIUK EUGENE
- [Y] CH 471458 A 19690415 - PROFITLICH HEINZ INGENIEUR [DE]
- [A] US 2919321 A 19591229 - LUNG KENNETH R
- [A] US 2412095 A 19461203 - MUERLE RICHARD W

Cited by

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Designated contracting state (EPC)

DE FR GB

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**EP 0088379 A1 19830914; EP 0088379 B1 19860730**; CA 1203689 A 19860429; DE 3364833 D1 19860904; DE 88379 T1 19840119

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**EP 83102091 A 19830303**; CA 422536 A 19830228; DE 3364833 T 19830303; DE 83102091 T 19830303