

Title (en)

Electric heater for automobile ventilation systems

Title (de)

Elektrischer Heizer für Fahrzeugventilationsanordnung

Title (fr)

Réchauffeur électrique pour système de ventilation d'automobile

Publication

EP 1731852 A1 20061213 (EN)

Application

EP 05425415 A 20050609

Priority

EP 05425415 A 20050609

Abstract (en)

The heater comprises a stack of elongated fretted radiators (10, 12, 14, 16, 18, 20) in thermal and electrical contact with PTC pellets (36) clamped between adjacent radiators, and at least one stiff elastic slat (40, 42) interposed between a respective pair of adjacent radiators, the facing surfaces of the latter having complementary ridges (24) and recesses (26, 28) whereby the slat is elastically deformed. The stack of radiators, with the PTC pellets and the slats, are sandwiched between two longitudinal beams (43) biased against the outermost radiators (10, 20) by two brackets (44, 46) that are attached to the opposite ends of the stack of radiators, in order to maintain the unit assembled.

IPC 8 full level

F24H 3/04 (2006.01)

CPC (source: EP)

F24H 3/0405 (2013.01); **F24H 3/0429** (2013.01); **F24H 3/0435** (2013.01); **F24H 3/0447** (2013.01); **F24H 3/047** (2013.01); **F24H 9/1872** (2013.01)

Citation (applicant)

EP 1574791 A1 20050914 - CEBI SPA [IT]

Citation (search report)

- [A] EP 1370117 A2 20031210 - CEBI SPA [IT]
- [A] US 5562844 A 19961008 - BOHLENDER FRANZ [DE], et al
- [A] EP 1462733 A1 20040929 - VALEO CLIMATISATION [FR]

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