

Title (en)

Heating assembly with PTC elements, particularly for motor vehicles

Title (de)

Heizungsanordnung mit PTC-Element, insbesondere für ein Kraftfahrzeug

Title (fr)

Ensemble de chauffage comprenant des éléments PTC, particulièrement pour véhicules à moteurs

Publication

EP 1523226 B1 20141210 (DE)

Application

EP 03292475 A 20031007

Priority

EP 03292475 A 20031007

Abstract (en)

[origin: EP1523226A1] Car heater has a positive temperature coefficient (PTC) element (2), on either side of which are zigzag ribs (6) to improve heat transfer to air flowing over it. The heater has a two-part plastic frame (7).

IPC 8 full level

H05B 3/50 (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP US)

F24H 3/0429 (2013.01 - EP US); **F24H 9/1872** (2013.01 - EP US); **H05B 3/14** (2013.01 - EP US); **H05B 3/50** (2013.01 - EP US); **H05B 2203/02** (2013.01 - EP US)

Cited by

FR2958112A1; EP2293648A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1523226 A1 20050413; **EP 1523226 B1 20141210**; US 2005133490 A1 20050623; US 7399948 B2 20080715

DOCDB simple family (application)

EP 03292475 A 20031007; US 95960804 A 20041007