

Title (en)
Heat exchanger

Title (de)
Wärmeübertrager

Title (fr)
Caloporteur

Publication
EP 2296432 B1 20180103 (DE)

Application
EP 09290702 A 20090915

Priority
EP 09290702 A 20090915

Abstract (en)
[origin: EP2296432A1] The heat transducer (7) has a heating element, which has positive temperature coefficient element (4) and two waveguide shims (2,3). The positive temperature coefficient element is fixed between two waveguide shims. The heating element is arranged in electrically isolating plastic frame (10).

IPC 8 full level
H05B 3/50 (2006.01); **F24H 3/04** (2006.01)

CPC (source: EP)
F24H 3/0429 (2013.01); **F24H 3/081** (2013.01); **F24H 9/1863** (2013.01); **F24H 9/1872** (2013.01); **H05B 3/50** (2013.01)

Cited by
DE102010020070A1; US10363797B2; DE102020203390A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2296432 A1 20110316; EP 2296432 B1 20180103

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