

Title (en)

METAL THERMAL ENERGY DISSIPATING ELEMENT, TRAVERSED BY AN AIR STREAM AND AN ELECTRIC CURRENT

Title (de)

VON EINEM LUFTSTROM UND EINEM ELEKTRISCHEN STROM DURCHQUERTES METALLWÄRMEENERGIEABFUHRELEMENT

Title (fr)

ELEMENT METALLIQUE DISSIPANT UNE ÉNERGIE THERMIQUE, TRAVERSÉ PAR UN FLUX D'AIR ET PAR UN COURANT ÉLECTRIQUE

Publication

EP 2022293 B1 20130424 (FR)

Application

EP 07735973 A 20070521

Priority

- IB 2007051916 W 20070521
- FR 0604667 A 20060524

Abstract (en)

[origin: WO2007135644A1] The invention concerns a metal element (2) traversed by an air stream, comprising an upper longitudinal wall (6a), a lower longitudinal wall (6b), and two lateral walls (6c) as well as plural fins, at least one of the longitudinal walls (6a, 6b) of said metal element (2) being formed by a series of flats, said flats being rigidly linked together (23) such that at least one of the planar longitudinal walls (6a, 6b) circulates an electric current from one end to the other end of said planar longitudinal wall.

IPC 8 full level

F24H 3/00 (2006.01); **H05B 3/06** (2006.01); **H05B 3/10** (2006.01)

CPC (source: EP)

B21D 53/022 (2013.01); **F24H 3/0405** (2013.01); **F24H 3/0429** (2013.01); **F24H 3/0435** (2013.01); **F24H 3/0447** (2013.01); **F24H 9/1872** (2013.01); **H05B 3/50** (2013.01); **H05B 2203/02** (2013.01)

Cited by

DE102015111571A1; EP2832464A1; DE102013108357A1; WO2017009254A1; US10875078B2; EP3322942B1; EP3322942B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2007135644 A1 20071129; CN 101496446 A 20090729; EP 2022293 A1 20090211; EP 2022293 B1 20130424; ES 2421597 T3 20130904; FR 2901658 A1 20071130; FR 2901658 B1 20130517; PL 2022293 T3 20130930

DOCDB simple family (application)

IB 2007051916 W 20070521; CN 200780028023 A 20070521; EP 07735973 A 20070521; ES 07735973 T 20070521; FR 0604667 A 20060524; PL 07735973 T 20070521