

Title (en)

Resistive structure for the uniform heating of fluids

Title (de)

Widerstandsfähige Struktur zur gleichförmigen Erwärmung von Flüssigkeiten

Title (fr)

Structure résistive pour le chauffage uniforme de fluides

Publication

EP 2690374 B1 20170104 (EN)

Application

EP 12425128 A 20120725

Priority

EP 12425128 A 20120725

Abstract (en)

[origin: EP2690374A1] A resistive structure for the uniform and homogeneous heating of fluids, comprising a resistor (10) formed by at least one perforated tubular element (13) made of conductive material, inside which there are inserted, in order, starting from the external edge and proceeding towards the center of the resistor (10), at least a first tubular element (11) made of conductive material, an insulating layer (14) within which a wire or ring-shaped resistive layer (12) is embedded, at least a second tubular element (15) made of conductive material and an inner central portion (16) made of conductive material.

IPC 8 full level

F24H 1/12 (2006.01); **F24H 1/14** (2006.01); **H05B 3/44** (2006.01)

CPC (source: EP)

F24H 1/142 (2013.01); **H05B 3/44** (2013.01); **H05B 2203/014** (2013.01); **H05B 2203/021** (2013.01)

Cited by

NL2027269B1; CN109903940A; CN110173888A; EP3203162A1; ITUB20160200A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2690374 A1 20140129; EP 2690374 B1 20170104

DOCDB simple family (application)

EP 12425128 A 20120725