

Title (en)
Bare wire continuous-flow heater

Title (de)
Blankdrahtdurchlauferhitzer

Title (fr)
Chauffe-eau instantané à fil nu

Publication
EP 2597394 B1 20150401 (DE)

Application
EP 11190470 A 20111124

Priority
EP 11190470 A 20111124

Abstract (en)
[origin: EP2597394A1] The heater has a heater cartridge (4) comprising a cartridge inner space (8) through which water flows. A water inlet (10) and a water outlet (12) are arranged on a casing side of the cartridge. A module-like functional element (14) comprises a bare wire heating coil (16) and receiving areas (18) at front ends (34). The receiving areas hold ends of the coil. A water deflecting element (22) is arranged in an inflow region (38) of the cartridge inner space upstream of the coil in a water flow direction (S) and/or in an outflow region (40) of the cartridge inner space downstream of the coil. The water deflecting element is concave, arc-shaped or wedge-shaped.

IPC 8 full level
F24H 1/10 (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)
F24H 1/103 (2013.01); **F24H 9/0015** (2013.01)

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 2597394 A1 20130529; EP 2597394 A9 20130821; EP 2597394 B1 20150401; PL 2597394 T3 20150831; WO 2013076209 A1 20130530

DOCDB simple family (application)
EP 11190470 A 20111124; EP 2012073393 W 20121122; PL 11190470 T 20111124