

Title (en)  
CONTINUOUS FLOW HEATER

Title (de)  
DURCHLAUFERHITZER

Title (fr)  
CHAUFFE-EAU INSTANTANÉ

Publication  
**EP 2861914 B1 20160713 (DE)**

Application  
**EP 13731072 A 20130617**

Priority  
• CH 8572012 A 20120619  
• EP 2013062476 W 20130617

Abstract (en)  
[origin: WO2013189869A1] An instantaneous heater (1) has a body formed from at least two layers (10, 13, 20, 21) extending around an axis (A). Of these layers, an outer layer (10) is furnished with a channel (12) which is formed in a wall (14) of the layer (10) and turns about the axis (A) with approximately the shape of a helical line, the channel having an inflow (18) at one end for a fluid to be heated and an outflow (19) at the other end. An inner layer (13) with a heating coil (3a) adjoins this outer layer (10). Adjoining the inner layer (13), at least one insulation layer (20, 21) is provided in the interior.

IPC 8 full level  
**F24H 1/12** (2006.01); **F24H 1/16** (2006.01); **F24H 9/18** (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP US)  
**F24H 1/121** (2013.01 - EP); **F24H 1/162** (2013.01 - EP); **F24H 9/1818** (2013.01 - EP); **F24H 9/2028** (2013.01 - EP US); **F24H 15/174** (2022.01 - EP US); **F24H 15/215** (2022.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/238** (2022.01 - EP US); **F24H 15/281** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F24H 15/429** (2022.01 - EP US); **F24H 15/242** (2022.01 - EP US); **F24H 15/34** (2022.01 - EP US)

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)  
**WO 2013189869 A1 20131227**; CH 706695 A2 20131231; EP 2861914 A1 20150422; EP 2861914 B1 20160713

DOCDB simple family (application)  
**EP 2013062476 W 20130617**; CH 8572012 A 20120619; EP 13731072 A 20130617