

Title (en)
Throughflow heater

Title (de)
Durchlauferhitzer

Title (fr)
Chauffe-eau instantané

Publication
EP 2226590 B1 20161005 (DE)

Application
EP 10162910 A 20040311

Priority
• EP 04719441 A 20040311
• DE 10312728 A 20030321

Abstract (en)
[origin: WO2004083739A1] The invention relates to n instantaneous water heater (D) provided with an electronic control (S) and used for a heating module (M). The inventive water heater comprises at least one printed circuit board (P) fixed to the heating module (M) and at least one electronic power component (B) arranged at the level of a cooling interface (K) provided with a cold water supply. According to said invention, a ceramic cooling element (E) dividing the power component (B) and cold water is arranged at the level of the cooling interface and is connected the power component (B) without grounding.

IPC 8 full level
F24H 9/20 (2006.01); **F24H 1/10** (2006.01)

CPC (source: EP US)
F24H 9/2028 (2013.01 - EP US); **F24H 15/407** (2022.01 - EP US); **F24H 1/102** (2013.01 - EP)

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DE 10312728 A1 20040930; CN 1761845 A 20060419; CN 1761845 B 20100616; EP 1608919 A1 20051228; EP 1608919 B1 20100825; EP 2226590 A1 20100908; EP 2226590 B1 20161005; PL 211167 B1 20120430; PL 219136 B1 20150331; PL 377405 A1 20060206; PL 396722 A1 20111219; WO 2004083739 A1 20040930

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DE 10312728 A 20030321; CN 200480007708 A 20040311; EP 04719441 A 20040311; EP 10162910 A 20040311; EP 2004002545 W 20040311; PL 37740504 A 20040311; PL 39672204 A 20040311