

Title (en)  
Water heater

Title (de)  
Warmwasserbereiter

Title (fr)  
Chauffe-eau

Publication  
**EP 2778561 A1 20140917 (EN)**

Application  
**EP 14158073 A 20140306**

Priority  
• JP 2013048608 A 20130312  
• JP 2013103674 A 20130516

Abstract (en)  
A water heater including: a hot water tank 3; a water supply pipe 12; an entering-water pipe 18; a heating device 10; an outgoing-hot water pipe 19; and a water quality adjusting portion 23, wherein the entering-water pipe 18 or the water supply pipe 12 includes a first closing valve which is placed upstream of the water quality adjusting portion 23 and which closes a flow path, and a second closing valve 25b which is placed downstream of the water quality adjusting portion 23 and which closes a flow path. It is unnecessary to drain water in the entire system of the water heater, and it is possible to carry out maintenance of the water quality adjusting portion 23 which suppress deposition of scale.

IPC 8 full level  
**F24H 9/16** (2006.01); **F24D 19/00** (2006.01)

CPC (source: EP)  
**F24D 19/0092** (2013.01); **F24H 9/16** (2013.01)

Citation (applicant)  
JP 2011069572 A 20110407 - SANDEN CORP

Citation (search report)  
• [XP] EP 2664860 A1 20131120 - PANASONIC CORP [JP]  
• [IAY] WO 2012042867 A1 20120405 - DAIKIN IND LTD [JP], et al  
• [Y] JP 2010091122 A 20100422 - PANASONIC CORP  
• [I] EP 2159505 A1 20100303 - DAIKIN IND LTD [JP]  
• [I] JP 2012145244 A 20120802 - INNOVATIVE DESIGNS & TECHNOLOGY INC

Cited by  
NL2014366B1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2778561 A1 20140917**; **EP 2778561 B1 20181219**; CN 104048405 A 20140917; CN 104048405 B 20180417; CN 203744541 U 20140730

DOCDB simple family (application)  
**EP 14158073 A 20140306**; CN 201410085747 A 20140310; CN 201420106283 U 20140310