

Title (en)  
FUEL HEATED HEAT SOURCE

Publication  
**EP 0190572 A3 19880511 (DE)**

Application  
**EP 86100450 A 19860115**

Priority  
• DE 8502477 U 19850131  
• DE 8530665 U 19851025

Abstract (en)  
[origin: EP0190572A2] Circulating water heater, on the one hand for a heating installation, on the other hand for preparation of domestic hot water, which has two heat exchanger sections, each of which is heated by a separate burner, in which heater one section is provided with a heat exchanger which heats up the domestic water as it runs through and the other is additionally provided with a heat exchanger connected to the central heating system circulation, the latter section having the domestic water heat exchanger within the pipes of the heating water heat exchanger. Preferably the domestic water/heating water heat exchanger is designed for 5.5 kW output, irrespective of whether it is effected in the heating circuit or in the domestic water branch. The heat exchanger for domestic water only is designed as a 13 kW heat exchanger. By multiplication of these heat exchangers it is possible to retain the usual output values of 18 and 24 kW, but in this connection to offer insulated heating outputs of 5.5 and 11 kW respectively. <IMAGE>

IPC 1-7  
**F24H 1/22**; **F24H 1/41**; **F24D 3/08**; **F24H 1/12**

IPC 8 full level  
**F24D 3/08** (2006.01); **F24H 1/41** (2006.01); **F24H 1/52** (2006.01)

CPC (source: EP)  
**F24D 3/08** (2013.01); **F24H 1/41** (2013.01); **F24H 1/52** (2013.01); **F24H 1/526** (2013.01); **F28D 7/0066** (2013.01); **F28D 7/085** (2013.01); **F28D 7/14** (2013.01); **F28F 1/32** (2013.01)

Citation (search report)  
• [Y] DE 2943276 A1 19810507 - BOSCH GMBH ROBERT [DE]  
• [Y] FR 2539219 A1 19840713 - TESOLIN LUCIANO [IT]  
• [A] DE 3409213 A1 19840920 - VAILLANT JOH GMBH & CO [DE]  
• [X] PATENT ABSTRACTS OF JAPAN, Band 5, Nr. 139 (M-86)[811], 3. September 1981; & JP - A - 56 71733 (MATSUSHITA DENKI SANGYO) 15.06.1981

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Designated contracting state (EPC)  
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