

Title (en)  
Water heater construction.

Title (de)  
Wassererhitzer.

Title (fr)  
Construction de chauffage-eau.

Publication  
**EP 0163838 A1 19851211 (EN)**

Application  
**EP 85103704 A 19850327**

Priority  
US 60852084 A 19840509

Abstract (en)  
A water heater (10) having a tank wall (12) and a bottom head (14) welded to the wall to provide a liquid tight chamber (16) therein. The bottom head has an upwardly directed circular flange (32) with a central opening therein. The flange (32) is connected to a flue tube in a unique manner. The connection between the flange (32) on the lower head and the flue tube (28) is accomplished by press-fitting the flange into the end of the tube and then welding the two parts together by a weld between the end of the tube and the outer surface of the flange (32).

IPC 1-7  
**F24H 9/14**; **F23J 13/04**

IPC 8 full level  
**F23J 13/04** (2006.01); **F24H 1/20** (2006.01); **F24H 1/24** (2006.01); **F24H 9/00** (2006.01); **F24H 9/14** (2006.01)

CPC (source: EP)  
**F24H 1/205** (2013.01); **F24H 9/14** (2013.01)

Citation (search report)

- US 3124108 A 19640310
- US 4372290 A 19830208 - VISOS CHARLES D, et al
- US 4292950 A 19811006 - SCHOSSOW GEORGE W
- EP 0087026 A1 19830831 - VAILLANT JOH GMBH & CO [DE]

Cited by  
AT392531B; AT395349B; US2021372664A1; WO9607060A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0163838 A1 19851211**; **EP 0163838 B1 19870729**; AT E28700 T1 19870815; AU 3958985 A 19851114; AU 576558 B2 19880901; DE 3560406 D1 19870903; JP H0581812 B2 19931116; JP S6122153 A 19860130

DOCDB simple family (application)  
**EP 85103704 A 19850327**; AT 85103704 T 19850327; AU 3958985 A 19850306; DE 3560406 T 19850327; JP 7913985 A 19850413