

Title (en)  
Installation and method for hot water production

Title (de)  
Anlage und Verfahren zur Bereitung von Heisswasser

Title (fr)  
Installation et procédé de production d'eau chaude

Publication  
**EP 1489366 A1 20041222 (FR)**

Application  
**EP 04447139 A 20040609**

Priority  
BE 200300361 A 20030618

Abstract (en)  
The equipment has a burner (4) with an injection device (5) extending towards a base in an axis of a combustion chamber (6). A lower part of the chamber is connected with a series of fire tubes. An inner space of an envelope is divided into two parts, separated in height by a partition for creating two superposed chambers (12, 13). The upper chamber (12) is maintained permanently at high temperature.

IPC 1-7  
**F24H 1/48**; **F24H 1/28**

IPC 8 full level  
**F24H 1/50** (2006.01); **F24H 1/28** (2006.01); **F24H 1/48** (2006.01); **F24H 1/52** (2006.01)

CPC (source: EP)  
**F24H 1/285** (2013.01); **F24H 1/48** (2013.01); **F24H 1/50** (2013.01); **F24H 1/52** (2013.01)

Citation (applicant)  
• FR 2821924 A1 20020913 - LE MER JOSEPH [FR]  
• GB 2140138 A 19841121 - BRITISH ALCAN ALUMINIUM LTD  
• DE 3329777 A1 19850307 - FISCHER GEORG GMBH & CO [DE]  
• DE 3625479 A1 19880211 - FROELING KESSEL APP [DE]  
• US 4426037 A 19840117 - BERNSTEIN LENNART [ES]

Citation (search report)  
• [A] US 4426037 A 19840117 - BERNSTEIN LENNART [ES]  
• [A] US 5076494 A 19911231 - RIPKA CHESTER D [US]  
• [A] EP 0288695 A2 19881102 - BOMMER ROLF  
• [A] WO 8204115 A1 19821125 - FAGERSTA AB [SE], et al

Cited by  
RU2647936C2; WO2019028176A1; WO2014131093A2; US10101056B2

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DOCDB simple family (publication)  
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