

Title (en)  
Boiler

Title (de)  
Heizkessel

Title (fr)  
Chaudière

Publication  
**EP 2056021 A3 20120530 (DE)**

Application  
**EP 08450138 A 20080916**

Priority  
AT 17602007 A 20071031

Abstract (en)  
[origin: EP2056021A2] The boiler has grate elements (7-9) in which two of the elements (7, 8) are immovably arranged in a frame (5) using a retainer of the element (9). The frame has a slider (14) arranged below the immovable grate elements using retainers of the immovable grate elements. The immovable elements are shiftable between successive grate steps through passage openings (16) in outlets by adjusting drives. The element (9) upwardly closes a discharging device (11) for ashes and is movable below the immovable elements. The element (7) forms passage holes (24) that are supplied with compressed air.

IPC 8 full level  
**F23B 30/10** (2006.01); **F23H 7/04** (2006.01); **F23H 7/08** (2006.01)

CPC (source: EP)  
**F23B 1/20** (2013.01); **F23B 30/10** (2013.01); **F23H 7/04** (2013.01); **F23H 7/08** (2013.01); **F23L 1/02** (2013.01)

Citation (search report)

- [Y] DE 2359635 A1 19740815 - HITACHI SHIPBUILDING ENG CO
- [Y] GB 430834 A 19350626 - GILBERT ASHTON PLUMMER
- [A] CH 608090 A5 19781215 - BARKHUUS PER W [CH]
- [A] DE 29819816 U1 19990408 - HDG BAVARIA GMBH HEIZKESSEL & [DE]

Cited by  
CN103438431A; CN103437837A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**AT 505162 A4 20081115; AT 505162 B1 20081115**; EP 2056021 A2 20090506; EP 2056021 A3 20120530

DOCDB simple family (application)  
**AT 17602007 A 20071031**; EP 08450138 A 20080916