

Title (en)

Boiler for liquid metal heating in heating systems, especially chemical reactors

Title (de)

Kessel für Flüssigmetallpumpe in Heizungssystemen, insbesondere chemischen Reaktoren

Title (fr)

Chaudière de chauffage à métal liquide dans des systèmes de chauffage, notamment des réacteurs chimiques

Publication

EP 2706293 A2 20140312 (EN)

Application

EP 12461541 A 20120907

Priority

PL 40021512 A 20120801

Abstract (en)

Body of the boiler for heating of liquid metal in heating systems, especially of chemical reactors, is built from a bundle of pipe couples of "pipe in pipe" type 8 and 6, has at least two liquid metal chambers created between perforated bottoms 1 and 2 and also 3 and 4 connected with this bundle of pipe couples, whereas at least one of liquid metal or flue gas chambers is equipped with expansion compensator. Chambers are supported in such way, that they can freely and independently displace on beds 19 of supports 18, and the whole boiler can displace on rolls under feet of supports 20.

IPC 8 full level

F22B 1/06 (2006.01); **F22B 15/00** (2006.01); **F22B 37/20** (2006.01)

CPC (source: EP)

F22B 1/06 (2013.01); **F22B 15/00** (2013.01); **F22B 37/20** (2013.01)

Citation (applicant)

- US 4515109 A 19850507 - JULLIEN GEORGES [FR]
- US 6904754 B2 20050614 - SIM YOON SUB [KR], et al
- US 2865827 A 19581223 - DWYER ORRINGTON E
- US 3033538 A 19620508 - ALFRED IDDLES, et al
- US 4324617 A 19820413 - SOWERS MICHAEL G, et al
- US 3336974 A 19670822 - ERNEST BERNSTEIN, et al
- PL 205686 B1 20100531 - SARRE PIOTR [PL], et al

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 2706293 A2 20140312; PL 222997 B1 20160930; PL 400215 A1 20140203

DOCDB simple family (application)

EP 12461541 A 20120907; PL 40021512 A 20120801