

Title (en)
Circulating fluidized bed boiler

Title (de)
Zirkulierender Wirbelschichtkessel

Title (fr)
Chaudière à lit fluidisé à circulation

Publication
EP 2642199 B1 20170621 (EN)

Application
EP 12160406 A 20120320

Priority
EP 12160406 A 20120320

Abstract (en)
[origin: EP2642199A1] The invention relates to a circulating fluidized bed boiler (1) comprising a combustion chamber (2), characterized in that the combustion chamber (2) comprises: - first heat transfer surfaces (7) forming at least one vertical chamber extending from a lower part (5) of the combustion chamber (2), and - second heat transfer surfaces (8) having an inlet part and an outlet part which extend both from an upper part (6) of the combustion chamber (2), said second heat transfer surfaces (8) being fixed to vertical chambers (7).

IPC 8 full level
F23C 10/10 (2006.01); **F22B 21/40** (2006.01); **F22B 31/00** (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP)
F22B 21/30 (2013.01); **F22B 21/40** (2013.01); **F22B 31/0015** (2013.01); **F22B 37/50** (2013.01); **F23C 10/10** (2013.01); **F23M 5/08** (2013.01); **F23C 2206/10** (2013.01)

Cited by
CN104848230A; CN114811576A

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

DOCDB simple family (publication)
EP 2642199 A1 20130925; EP 2642199 B1 20170621; CN 104204666 A 20141210; CN 104204666 B 20171024; ES 2637364 T3 20171013; HR P20171409 T1 20171103; HU E036292 T2 20180628; IN 7826DEN2014 A 20150515; KR 102052140 B1 20191205; KR 20140138298 A 20141203; MX 2014010477 A 20150408; MX 350268 B 20170831; PL 2642199 T3 20171130; RS 56360 B1 20171229; WO 2013140332 A1 20130926; ZA 201406404 B 20160831

DOCDB simple family (application)
EP 12160406 A 20120320; CN 201380015451 A 20130319; ES 12160406 T 20120320; HR P20171409 T 20170918; HU E12160406 A 20120320; IB 2013052166 W 20130319; IN 7826DEN2014 A 20140919; KR 20147029016 A 20130319; MX 2014010477 A 20130319; PL 12160406 T 20120320; RS P20170918 A 20120320; ZA 201406404 A 20140901