

Title (en)
Waste heat boiler

Title (de)
Abhitzeessel

Title (fr)
Chaudière de récupération

Publication
EP 1793189 A3 20130417 (DE)

Application
EP 06024178 A 20061122

Priority
DE 102005057674 A 20051201

Abstract (en)
[origin: EP1793189A2] The boiler has heat transmission pipes, and a bypass pipe (4) with an inlet end and outlet end. A cooling medium e.g. water, feeding device provides water to a casing side of the pipes. A gas passage region is overlapped by an inner contour (19) of the outlet end, where cross section of the region extends uniformly or non-uniformly independent of position of an opened connector (12) in a flow direction of exhaust gas stream.

IPC 8 full level
F28D 7/16 (2006.01); **F22B 1/18** (2006.01); **F28F 27/02** (2006.01)

CPC (source: EP US)
F22B 1/1838 (2013.01 - EP US); **F22B 1/1884** (2013.01 - EP US); **F22B 35/001** (2013.01 - EP US); **F22B 35/007** (2013.01 - EP US); **F28D 7/16** (2013.01 - EP US); **F28F 27/02** (2013.01 - EP US); **F28F 2250/06** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0357907 A1 19900314 - BALCKE DUERR AG [DE]
- [Y] GB 727585 A 19550406 - NAT RES DEV
- [A] GB 1303092 A 19730117
- [AD] DE 2846455 B1 19791031 - BORSIG GMBH
- [A] US 1918966 A 19330718 - HARKNESS ANDREW M

Cited by
EP2312252A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1793189 A2 20070606; **EP 1793189 A3 20130417**; **EP 1793189 B1 20150225**; CN 100451528 C 20090114; CN 1982802 A 20070620; DE 102005057674 A1 20070606; DE 102005057674 B4 20080508; DK 1793189 T3 20150420; JP 2007155328 A 20070621; JP 4591839 B2 20101201; US 2007125317 A1 20070607; US 7412945 B2 20080819

DOCDB simple family (application)
EP 06024178 A 20061122; CN 200610163066 A 20061130; DE 102005057674 A 20051201; DK 06024178 T 20061122; JP 2006356977 A 20061201; US 60560806 A 20061129