

Title (en)
STOKER FURNACE

Title (de)
BESCHICKUNGSOFEN

Title (fr)
FOUR À CHARGEUR

Publication
EP 3845805 A4 20220817 (EN)

Application
EP 18931298 A 20181026

Priority
• JP 2018161818 A 20180830
• JP 2018039873 W 20181026

Abstract (en)
[origin: EP3845805A1] This stoker furnace (1), which comprises a feeder (4), a drying stage (11), a combustion stage (12), a post-combustion stage (13), and a discharge chute (17), has: a front arch (31) extending from the upper side of the feeder (4) to the upper side of the drying stage (11) or the combustion stage (12); a rear arch (32) extending from the upper side of the discharge chute (17) to the upper side of the post-combustion stage (13) or the combustion stage (12); and a square tubular furnace wall (33) that guides and discharges exhaust gas generated by the combustion of an object (B) to be incinerated, wherein the drying stage (11) is disposed to be inclined such that a downstream side thereof in a transport direction faces downward, the combustion stage (12) is disposed to be inclined such that a downstream side thereof in the transport direction faces upward, and the post-combustion stage (13) is disposed to be inclined such that a downstream side thereof in the transport direction faces upward, so that the main surface of each of the drying stage (11), the combustion stage (12), and the post-combustion stage (13) faces a main combustion part (M) created above the combustion stage (12).

IPC 8 full level
F23G 5/00 (2006.01); **F23G 5/50** (2006.01); **F23H 7/08** (2006.01)

CPC (source: EP KR RU)
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Citation (search report)
• [E] EP 3699490 A1 20200826 - MITSUBISHI HEAVY IND ENVIRONMENTAL & CHEMICAL ENG CO LTD [JP]
• [E] EP 3734155 A1 20201104 - MITSUBISHI HEAVY IND ENVIRONMENTAL & CHEMICAL ENG CO LTD [JP]
• [A] JP H09280520 A 19971031 - MITSUBISHI HEAVY IND LTD
• [A] US 3937155 A 19760210 - KUNSTLER HANS
• [A] FR 2238899 A1 19750221 - MARTIN JOHANNES [DE]
• [AD] JP S5986814 A 19840519 - SANKI ENG CO LTD
• See also references of WO 2020044578A1

Designated contracting state (EPC)
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KR 102318471 B1 20211027; KR 20210040160 A 20210412; PH 12020550233 A1 20210208; RU 2751531 C1 20210714;
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