

Title (en)
BURNER ASSEMBLY FOR A BOILER UNIT FOR STEAM GENERATION AND BOILER UNIT COMPRISING SAID BURNER ASSEMBLY

Title (de)
BRENNERANORDNUNG FÜR EINE KESSELEINHEIT ZUR DAMPFERZEUGUNG UND KESSELEINHEIT MIT DER BRENNERANORDNUNG

Title (fr)
ENSEMBLE BRÛLEUR POUR UNE UNITÉ CHAUDIÈRE DE PRODUCTION DE VAPEUR ET UNITÉ CHAUDIÈRE COMPRENANT LEDIT ENSEMBLE BRÛLEUR

Publication
EP 4235026 A1 20230830 (EN)

Application
EP 23158746 A 20230227

Priority
IT 202200003722 A 20220228

Abstract (en)
A burner assembly for a boiler for steam generation extends along a longitudinal axis (A) and comprises:• an air duct (40) centered along the axis (A), in which, in use, air flows in a forward direction (D); the air duct (40) being provided with an outlet (50) discharging into a combustion chamber (3) of the boiler unit (1);• a plurality of fuel conduits (90; 90a, 90b, 90c) into which, in use, at least one fuel flows in the forward direction (D);• a plurality of fuel injection nozzles (91) arranged around the air duct (40); each fuel injection nozzle (91) being connected to an end portion (93) of a respective fuel conduit (90; 90a, 90b, 90c) for discharging, in use, fuel into the combustion chamber (3) ;• the outlet (50) of the air duct (40) being arranged downstream of the fuel injection nozzles (91) along the forward direction (D);• the end portion (93) of at least one fuel conduit (90; 90a, 90b, 90c) being rotatable about its own extension axis (B).

IPC 8 full level
F23D 14/24 (2006.01)

CPC (source: EP)
F23D 14/24 (2013.01); **F23D 2900/14003** (2013.01); **F23D 2900/14005** (2013.01)

Citation (search report)
• [A] US 2020191385 A1 20200618 - CARROLL CHAD [US], et al
• [A] JP 2015004483 A 20150108 - NIPPON FURNACE CO LTD
• [A] US 2020032998 A1 20200130 - BRHEL JAROSLAV [CZ]
• [A] DE 1551827 A1 19700917 - ZINK CO JOHN

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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