

Title (en)
SOLID FUEL BURNER

Title (de)
FESTBRENNSTOFF-BRENNER

Title (fr)
BRÛLEUR À COMBUSTIBLE SOLIDE

Publication
EP 2738461 A4 20150415 (EN)

Application
EP 12820064 A 20120726

Priority
• JP 2011166366 A 20110729
• JP 2012004764 W 20120726

Abstract (en)
[origin: EP2738461A1] A first guide member (34) and, to the rear side thereof, a second guide member (35), for a secondary air flow (17), are provided in the outlet end part of a fuel nozzle (11) on a partition (29) which is the outer circumferential wall of the nozzle (11). The second guide member (35) is retained by a plurality of cooling fins (36) which are positioned uniformly around the entire circumference of the nozzle partition (29), and the first guide member (34) forms the secondary air flow (17a) and the secondary air flow (17b) conducted from the gap between the second guide member (35) and the partition (29) to the front surface side of the second guide member (35), into an outward flow from the centre axis of the burner, which can cool the front surface side of the second guide member (35) and prevents deposition of ash on it, thereby maintaining the fuel ignition and flaming stability at the burner outlet.

IPC 8 full level
F23D 1/00 (2006.01); **F23D 14/78** (2006.01)

CPC (source: EP KR)
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• [A] GB 2411000 A 20050817 - ROLLS ROYCE PLC [GB]
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Designated contracting state (EPC)
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DOCDB simple family (publication)
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