

Title (en)
BURNER ASSEMBLY WITH IN-LINE INJECTORS

Title (de)
BRENNERANORDNUNG MIT INLINE-INJEKTOREN

Title (fr)
ENSEMBLE BRÛLEUR À INJECTEURS EN LIGNE

Publication
EP 4206535 A1 20230705 (EN)

Application
EP 21218284 A 20211230

Priority
EP 21218284 A 20211230

Abstract (en)
A burner assembly for a heavy-duty gas turbine engine has a main burner (15), extending around a burner axis (B) and including: a swirler (7), having a plurality of blades (24) circumferentially distributed around the burner axis (B), wherein mixing channels (25) are defined between respective pairs of adjacent blades (24); a plurality of in-line injectors (35), arranged at inlet sections of respective mixing channels (25) and having respective in-line nozzles (36), configured to discharge in a respective flow direction (F) of a fluid flowing through the respective mixing channel (25) .

IPC 8 full level
F23R 3/28 (2006.01); **F23R 3/14** (2006.01); **F23R 3/36** (2006.01)

CPC (source: EP)
F23R 3/14 (2013.01); **F23R 3/286** (2013.01); **F23R 3/36** (2013.01); **F23R 2900/00002** (2013.01)

Citation (search report)

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- [XY] US 2013327046 A1 20131212 - BOBBA MOHAN KRISHNA [US], et al
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- [Y] EP 3486569 A1 20190522 - ANSALDO ENERGIA SWITZERLAND AG [CH]
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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 ME

Designated validation state (EPC)
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