

Title (en)
Combustion equipment and combustion method

Title (de)
Brenngerät und Brennverfahren

Title (fr)
Équipement de combustion et procédé de combustion

Publication
EP 1985926 A3 20160413 (EN)

Application
EP 08007934 A 20080424

Priority
• JP 2007116304 A 20070426
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Abstract (en)
[origin: EP1985926A2] Combustion equipment of a coaxial jet combustion scheme is provided that includes: a burner plate (11) in which fuel and air are mixed with each other while the fuel and air pass through an air hole (12); a burner plate extension which is a portion of the burner plate (11) and extends toward a combustion chamber side spaced apart from the air hole (12); and a protrusion (1) disposed on the combustion chamber side of the burner plate extension so as to protrude in a direction where flow of the fuel moves. In the combustion equipment, a gap between opposite portions of the protrusion (1) is greater than a diameter of the air hole (12) and a flame source forming area is defined between the burner plate (11), the burner plate extension and the protrusion (1). The combustion equipment of a coaxial jet combustion scheme can achieve a further reduction in NOx emissions.

IPC 8 full level
F23R 3/28 (2006.01)

CPC (source: EP US)
F23R 3/286 (2013.01 - EP US); **F23R 2900/00015** (2013.01 - EP US); **F23R 2900/03343** (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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