

Title (en)
COMBUSTION EQUIPMENT AND COMBUSTION METHOD

Title (de)
BRENNGERÄT UND BRENNVERFAHREN

Title (fr)
ÉQUIPEMENT DE COMBUSTION ET PROCÉDÉ DE COMBUSTION

Publication
EP 1985926 B1 20180905 (EN)

Application
EP 08007934 A 20080424

Priority
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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.

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Citation (examination)
US 3574508 A 19710413 - ROTHHAAR CHARLES W, et al

Cited by
EP2587157A3; CN101832558A; EP2345847A3; CN103225822A; DE102012216080A1; EP2620708A3; EP2711628A1; EP2484975A3; US10041678B2; US9982891B2; EP2885582B1

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