

Title (en)
Burner

Title (de)
Brenner

Title (fr)
Brûleur

Publication
EP 1985922 B1 20100922 (EN)

Application
EP 08008063 A 20080425

Priority
JP 2007119829 A 20070427

Abstract (en)
[origin: EP1985922A2] The object is to provide a burner 1 capable of taking in sufficient primary air without using a fan, and being preferably used as an all-primary air burner. The burner 1 includes a burner main body 2 having a mixing pipe 4 to which a fuel gas and combustion air are supplied, and a mixing chamber 6 is provided at a top end on the downstream side of the mixing pipe 4, and a burner head 3, which is provided at an upper part of the burner main body 2. The burner head communicates with the mixing chamber 6 and ejects the mixed gas of the fuel gas and air for combustion mixed in the mixing chamber. The burner head 3 is in a cylindrical shape and provided right above the mixing chamber 16 of the burner main body 2. The burner head 3 has many first and second burner ports 15 and 16 bored around an almost whole periphery of a side face thereof. , Further, the mixing pipe 4 is provided to direct in a direction where the mixing pipe 4 is crossed with an axis line of the burner head 3 at substantially right angles to each other.

IPC 8 full level
F23D 14/06 (2006.01); **F23D 14/58** (2006.01)

CPC (source: EP US)
F23D 14/065 (2013.01 - EP US); **F23D 14/583** (2013.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1985922 A2 20081029; EP 1985922 A3 20081112; EP 1985922 B1 20100922; AU 2008201791 A1 20081113; AU 2008201791 B2 20120112; DE 602008002628 D1 20101104; ES 2352860 T3 20110223; JP 2008275259 A 20081113; JP 5160140 B2 20130313; US 2008268394 A1 20081030

DOCDB simple family (application)
EP 08008063 A 20080425; AU 2008201791 A 20080423; DE 602008002628 T 20080425; ES 08008063 T 20080425; JP 2007119829 A 20070427; US 10801308 A 20080423