

Title (en)  
BURNER ASSEMBLY

Title (de)  
BRENNERANORDNUNG

Title (fr)  
AGENCEMENT DE BRÛLEUR

Publication  
**EP 3134682 A1 20170301 (DE)**

Application  
**EP 15788377 A 20151029**

Priority  
• DE 102014222402 A 20141103  
• EP 2015075053 W 20151029

Abstract (en)  
[origin: WO2016071186A1] The invention relates to a burner assembly (1) comprising a combustion chamber (2), a plurality of mixing ducts (3) leading into the combustion chamber (2), in which mixing ducts, during intended operation, introduced combustion air (4) and introduced fuel (5) are mixed, wherein the mixing ducts (3) are formed by mixing tubes (6) which extend axially through an annular space (7) that is defined between a tubular outer wall (8), a tubular inner wall (9) arranged radially at a distance from the outer wall (8), a ring-shaped end plate (10) arranged upstream and a ring-shaped end plate (11) arranged downstream, wherein the end plates (10, 11) are provided with through-openings (12), which accommodate and/or extend the mixing tubes (6), and said end plates have, both radially inside and radially outside, a circumferential edge (13, 14) extending in the direction of the annular space (7), wherein axial bores (15) are provided in the edge (13, 14) of the ring-shaped end plate (11) arranged downstream, which axial bores extend, substantially parallel to a normal of the end plate (11), from the annular space (7) into the end plate (11), and wherein at least one opening (16) for removing cooling air (17) is provided, said opening branching from the axial bore (15).

IPC 8 full level  
**F23R 3/28** (2006.01); **F23R 3/10** (2006.01)

CPC (source: CN EP RU US)  
**F23R 3/10** (2013.01 - CN EP US); **F23R 3/283** (2013.01 - US); **F23R 3/286** (2013.01 - CN EP RU US); **F23R 2900/03043** (2013.01 - CN EP US)

Cited by  
WO2022096210A1

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

DOCDB simple family (publication)  
**WO 2016071186 A1 20160512**; CN 106461226 A 20170222; CN 106461226 B 20190628; EP 3134682 A1 20170301; EP 3134682 B1 20180822; RU 2656177 C1 20180531; US 10578305 B2 20200303; US 2017227223 A1 20170810

DOCDB simple family (application)  
**EP 2015075053 W 20151029**; CN 201580029648 A 20151029; EP 15788377 A 20151029; RU 2017119002 A 20151029; US 201515514773 A 20151029