

Title (en)  
Burner head

Title (de)  
Brennerkopf

Title (fr)  
Tête de brûleur

Publication  
**EP 2853813 A1 20150401 (EN)**

Application  
**EP 13466023 A 20130930**

Priority  
EP 13466023 A 20130930

Abstract (en)  
Burner head (22) of the primary portion of a gas burner is formed by a hollow cylindrical welded-on piece, the bottom internal circumference of the welded-on piece being welded to the outer burner feed pipe (7) and the top internal circumference of the being welded to the inner burner feed pipe (4), the head (22) being provided with the power nozzles (3) arranged in the area of the bevelled front face (25), with the stabilizing nozzles (5) arranged underneath the power nozzles and formed in the cylindrical wall at the angle ( $\beta$ ) relative to the same and with the annular flame catcher (21) arranged underneath the stabilizing nozzles (5) and extending from the outer wall of the head (22), the flame catcher having a triangular cross-section with the upper leg (24) perpendicularly adjoining the outer wall of the head (22) and with the hypotenuse (23) extending in a slanting inward and downward direction.

IPC 8 full level  
**F23D 14/22** (2006.01); **F23D 14/06** (2006.01); **F23D 14/58** (2006.01); **F23D 23/00** (2006.01)

CPC (source: EP)  
**F23D 14/06** (2013.01); **F23D 14/22** (2013.01); **F23D 14/58** (2013.01); **F23D 23/00** (2013.01)

Citation (search report)  
• [Y] JP 2008111591 A 20080515 - BAB HITACHI IND CO, et al  
• [Y] JP H08178224 A 19960712 - ISHIKAWAJIMA HARIMA HEAVY IND  
• [A] US 5660045 A 19970826 - ITO KAZUYUKI [JP], et al

Cited by  
US2018322970A1; US10811154B2; US11373774B2; US11887744B2; US10892063B2; US11694817B2

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)  
**EP 2853813 A1 20150401**; **EP 2853813 B1 20161026**; PL 2853813 T3 20170929

DOCDB simple family (application)  
**EP 13466023 A 20130930**; PL 13466023 T 20130930