

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 (β) 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)
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• [Y] JP H08178224 A 19960712 - ISHIKAWAJIMA HARIMA HEAVY IND
• [A] US 5660045 A 19970826 - ITO KAZUYUKI [JP], et al

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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

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