

Title (en)
BURNER AS WELL AS BOILER-BURNER ASSEMBLY

Title (de)
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Publication
EP 3712497 A1 20200923 (EN)

Application
EP 20164159 A 20200319

Priority
• CN 201920351731 U 20190319
• US 201916357524 A 20190319

Abstract (en)
The invention relates to a burner installable to a boiler for burning a premixed air-fuel mixture, said burner comprising a frame member provided with elongated combustion head protruding from the frame member and having what in a view from the frame member is its distal end provided with a tip plate. In said burner- between a side edge of the tip plate and the plane (R) of the tip plate is an oblique angle of incidence (a) for directing a gas delivered forward of the tip plate away from the longitudinal center axis of the combustion head,- the combustion head has its tip plate provided with a plurality of air openings extending through the tip plate and it is for cooling the tip plate that the inner tube is additionally provided with a supply of combustion air for conveying the combustion air through the tip plate's air openings.The invention relates also to a boiler-burner assembly.

IPC 8 full level
F23D 14/02 (2006.01); **F23D 14/58** (2006.01)

CPC (source: EP)
F23D 14/02 (2013.01); **F23D 14/58** (2013.01); **F23D 14/583** (2013.01)

Citation (applicant)
US 6238206 B1 20010529 - CUMMINGS III WILLIAM G [US], et al

Citation (search report)
• [A] CN 106949471 A 20170714 - ANDERSON THERMAL SOLUTION (SUZHOU) CO LTD
• [A] US 2012003595 A1 20120105 - GOH JOSEPH [US], et al
• [A] DE 19521844 A1 19960104 - VAILLANT JOH GMBH & CO [DE]

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 3712497 A1 20200923

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EP 20164159 A 20200319