

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

Title (de)
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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.

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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]

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