

Title (en)
OVERHEAD COMBUSTION HEATER

Title (de)
OVERHEAD-VERBRENNUNGSERHITZER

Title (fr)
APPAREIL DE CHAUFFAGE À COMBUSTION SUPÉRIEURE

Publication
EP 3062034 A1 20160831 (EN)

Application
EP 14834989 A 20140723

Priority
• RU 2013137041 A 20130808
• RU 2014000543 W 20140723

Abstract (en)
The invention relates to heat engineering, and more particularly to the design of water-heating boilers which are intended for outputting a heat transfer agent into a heating and hot water supply system. The heater has a housing in which a fuel combustion chamber is arranged, a grating, a tank for receiving a heat transfer agent and supplying same to a consumer, and a device for supplying and distributing air, which is in the form of a cone and a hollow disc having nozzle openings with interchangeable nozzles oriented at various angles in the fuel direction and towards the wall of the combustion chamber. The device for supplying air is in the form of a telescopic pipe. The air supply volume is controlled with the aid of a mechanical flap. Gases which form are completely combusted by the formation of a gap between the hollow disc and the walls of the combustion chamber. The apparatus is reliable in operation, environmentally safe and efficient.

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Cited by
JP2020012583A; WO2020017373A1

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DOCDB simple family (publication)
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