

Title (en)

A METHOD FOR BURNING SOLID FUELS IN A BURNER AND AN APPARATUS FOR CARRYING OUT THE METHOD

Title (de)

VERFAHREN ZUM VERBRENNEN VON FESTBRENNSTOFFEN IN EINEM BRENNER UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE PERMETTANT DE BRULER DES COMBUSTIBLES SOLIDES DANS UN BRULEUR ET DISPOSITIF PERMETTANT DE METTRE EN OEUVRE CE PROCEDE

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Application

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Abstract (en)

[origin: WO02084174A1] The invention relates to a method for burning solid fuels and relates to a burner utilising the method. The burner comprises a hopper for inlet of the solid fuel to be burned and comprises an inlet for primary combustion air. The hopper consists of a cylinder having a disc-shaped cross-section, and the primary inlet consists of a pipe arranged around the hopper and having an annular cross section. Combustion of the solid fuel takes place in a primary combustion zone beneath the hopper and the primary inlet. Below the hopper and the primary inlet a grate or other restriction means is provided. The restriction means has the effect that ashes from the fuel burned in the primary combustion zone cannot pass through the restriction means only by means of gravity. A natural draught also has to be present for passing the ashes out of the primary combustion zone through the restriction means.

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