Title (en)

METHOD FOR THE STEPPED COMBUSTION OF FUEL

Title (de)

VERFAHREN ZUR GESTUFTEN VERBRENNUNG VON BRENNSTOFFEN

Title (fr)

PROCEDE DE COMBUSTION ETAGEE DE COMBUSTIBLES

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Application

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Abstract (en)

[origin: WO0233317A1] The invention relates to a method for the combustion of solid, even non-homogeneous, fuel in a furnace. Said method comprises the following steps: (a) solid fuel is subjected to combustion, partial combustion or gasification in the combustion chamber, in an oxygen atmosphere below stoichiometric conditions, (b) additional oxygen is supplied to the combustion space in the transition region between the combustion chamber and the furnace or the freeboard, in a quantity above stoichiometric conditions, and (e) a catalyst is added in order to improve or accelerate the reactions in the region to which the quantity of oxygen above stoichiometric conditions is also supplied, or in a succeeding area.

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