

Title (en)

METHOD FOR THE PRODUCTION OF A BURNER UNIT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER BRENNERANLAGE

Title (fr)

PROCEDE DE FABRICATION D'UN DISPOSITIF DE COMBUSTION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02061335A1] The invention relates to spin-stabilised pre-mix burners (1), in which an axial mass flow distribution of the introduced fuel is set, such as to give favourable values for properties such as the output of NO_x and maximum amplitudes for apparent pulsations. Pareto solutions are thus determined for the said properties, whereby a distribution device (5), with control valves is represented by a tree structure with distribution parameters and iterative values for the distribution parameters are generated in a data processing unit by means of an evolutionary algorithm, by means of which the distribution device (5) may be set using a controller (10). Solutions are selected based upon the values determined by a measuring unit (11) which are particularly favourable relative to the said properties and are, in particular pareto-optimal. The distribution devices or the premix burner on the burner unit are then embodied according to such a solution.

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