

Title (en)
ROTATING OVEN BURNER

Title (de)
DREHOFENBRENNER

Title (fr)
BRULEUR DE FOUR ROTATIF

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Application
EP 05707659 A 20050228

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Abstract (en)
[origin: WO2005085707A1] The aim of the invention is to produce a rotating oven burner, in particular for fine-grained solid fuel, comprising a rotating air channel (14) provided with a rotating generator which can be controlled in a simple and effective manner and also during operation of the rotating oven, in order to modify the outlet angle of the rotating air and the shape of the flame, also, in relation to the reaction with various types of fuel. According to the invention, the rotating air channel (14) comprises guide blades (12, 13) which are distributed on the periphery thereof and disposed in a pivotable manner, and guiding journals (18) which engage with the guiding grooves of an annular-shaped control body (21, 21a). The outlet angle of the rotating air emerging from the rotating air channel (14) and the shape of the flames of the rotating oven burner can be modified during operation thereof by axial displacing and/or rotating the control body.

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Citation (search report)
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Cited by
DE102006060867B4; US10724735B2; US8393893B2; US10739009B2; US11209171B1

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