

Title (en)
ROTARY FURNACE BURNER

Title (de)
DREHOFENBRENNER

Title (fr)
BRÛLEUR DE FOUR ROTATIF

Publication
EP 2102549 B1 20161207 (DE)

Application
EP 07856970 A 20071220

Priority
• EP 2007011247 W 20071220
• DE 102006060867 A 20061222

Abstract (en)
[origin: WO2008077576A1] In order to create a rotary furnace burner, wherein the proportion of inexpensive lumpy secondary fuels (25) to be used as an energy source can be increased, and the configuration of the burner flame can be influenced even during burner operation, the invention proposes to provide an expansion chamber (21) that is open toward the burner orifice in front of the discharge hole/holes of the pipes in order to blow out of the secondary fuels in the burner, wherein the chamber compared to the individual pipe or pipes has an expanded cross-section, and to vary the axial length and the volume of the expansion chamber (21) by axial displacement (22) of the secondary fuel pipes (19, 20) during burner operation such that the lumpy secondary fuel particles blown out at the burner orifice with considerably reduced speed do not pass the burner flame, but instead burn off in the flame.

IPC 8 full level
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