Title (en)

PROCESS FOR OPERATING A BURNER AND BURNERS FOR ROTARY DRUM FURNACE

Publication

EP 0421903 A3 19911002 (FR)

Application

EP 90430017 A 19900914

Priority

DE 3933050 A 19891004

Abstract (en)

[origin: EP0421903A2] In a corresponding process, fuels and primary combustion air are introduced concentrically and the burner comprises a burner nozzle (1) which comprises concentric supply pipes for the fuel (10') and for the primary combustion air in the form of axial air (5') and swirling air (4'). In order to provide a process and a burner which can function with a lower proportion of primary air and a wider adjustment range, a dead zone is provided at the centre of the flame directly around a central fuel pipe and inside an annular fuel supply pipe, into which a very low proportion of fuel is sent. <IMAGE>

IPC 1-7

F23C 7/00; F23D 17/00

IPC 8 full level

F23C 7/00 (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP)

F23C 7/00 (2013.01); **F23D 17/00** (2013.01)

Citation (search report)

- [A] EP 0062228 A1 19821013 - BABCOCK WERKE AG [DE], et al
- [A] ZEMENT-KALK-GIPS vol. 32, no. 8, 1979, pages 386 - 389; ECKELMANN: 'BRûLEUR DE FOUR ROTATIF POUR COMBUSTIBLE SOLIDE ET COMBUSTIBLE MELANGES '

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FR2772888A1; FR2780489A1; FR2772887A1; FR2851032A1; FR2792393A1; US6780004B2; CN113203283A; EP0926435A1; EP1045203A1; EP0967434A1; EP0926434A1; EP1445535A1; CN106568081A; EP2017529A1; FR2930626A1; EP1136776A3; FR2803022A1; US6315551B1; WO2009138653A3; WO9840668A1

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