

Publication

EP 0554673 A3 19940309

Application

EP 93100370 A 19930113

Priority

LU 88065 A 19920205

Abstract (en)

[origin: EP0554673A2] A burner for a shaft furnace is provided, in particular a burner for pulverised coal intended to be fitted in a pipe (10) for injecting preheated air into a crucible (12) of a blast furnace. A lance for injecting pulverised coal (24) is fitted axially or virtually axially in the blast pipe (20). The lance head (28) is supported on the axis of the said tuyere (16) by a fitted component (30) either in the said tuyere (16) or directly upstream of the said tuyere (16). This component (30) at the same time forms a baffle for the preheated air so as to make it highly turbulent in the vicinity of the outlet orifice(s) (29) of the lance (24). <IMAGE>

IPC 1-7

C21B 5/00; **C21B 7/16**

IPC 8 full level

C21B 5/00 (2006.01)

CPC (source: EP)

C21B 5/003 (2013.01)

Citation (search report)

- [AD] WO 8605520 A1 19860925 - BRITISH STEEL CORP [GB]
- [A] FR 1280598 A 19620108 - POMPEY ACIERIES
- [A] FR 1171136 A 19590122 - SIDERURGIE FSE INST RECH
- [A] US 3558119 A 19710126 - DEMALANDER ROGER
- [A] AT 252288 B 19670210 - MOBILE OIL FRANCAISE

Cited by

LU91264B1; EA014345B1; US8080200B2; WO2008006764A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0554673 A2 19930811; **EP 0554673 A3 19940309**; LU 88065 A1 19930817

DOCDB simple family (application)

EP 93100370 A 19930113; LU 88065 A 19920205