

Title (en)

SHAFT FURNACE FOR MELTING OF IRON

Publication

EP 0397134 B1 19930908 (DE)

Application

EP 90108722 A 19900509

Priority

DE 3915374 A 19890511

Abstract (en)

[origin: EP0397134A1] According to the invention, the thermal efficiency of a shaft furnace for melting a metal charge, in particular of a cupola furnace, is considerably improved by the addition of a superheated blast in a first plane, of a supplementary blast quantity in a centre plane, and of a cold blast in a third plane. <IMAGE>

IPC 1-7

C21B 11/02; F27B 1/16

IPC 8 full level

C21B 11/02 (2006.01); **F27B 1/16** (2006.01)

CPC (source: EP)

C21B 11/02 (2013.01); **F27B 1/16** (2013.01)

Cited by

FR2686406A1; FR2720078A1; EP2253723A1; CN102428193A; US8889060B2; WO2010133563A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0397134 A1 19901114; EP 0397134 B1 19930908; DE 59002611 D1 19931014; ES 2045634 T3 19940116

DOCDB simple family (application)

EP 90108722 A 19900509; DE 59002611 T 19900509; ES 90108722 T 19900509