

Title (en)

APPARATUS FOR INJECTING PULVERISED MATERIAL, ESPECIALLY COAL DUST INTO A BLAST FURNACE

Publication

**EP 0199662 B1 19890816 (FR)**

Application

**EP 86440021 A 19860318**

Priority

FR 8505635 A 19850415

Abstract (en)

[origin: ES8703527A1] The invention relates to a device for injecting pulverulent material, such as coal, into a blast furnace. The device includes a hot blast tuyere issuing into the blast furnace, a nozzle fixed against said tuyere and co-axial thereto for bringing the hot blast, a branch connection produced obliquely on the nozzle and directed towards the tuyere, and an injection pipe traversing the branch connection to issue into the tuyere. According to the invention, the injection pipe is substantially an arc of circle, the convexity of which is directed towards the axis of the nozzle and of the tuyere. The radius of curvature is at least equal to one hundred times its inner diameter.

IPC 1-7

**C21B 5/00**

IPC 8 full level

**C21B 7/00** (2006.01); **C21B 5/00** (2006.01); **F27B 1/16** (2006.01)

CPC (source: EP US)

**C21B 5/002** (2013.01 - EP US); **C21B 5/003** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE DE GB IT LU NL SE

DOCDB simple family (publication)

**EP 0199662 A1 19861029; EP 0199662 B1 19890816**; AT E45593 T1 19890915; BR 8601681 A 19861216; CA 1278680 C 19910108; CN 1003863 B 19890412; CN 86102628 A 19861119; DE 3665076 D1 19890921; ES 553955 A0 19870216; ES 8703527 A1 19870216; FR 2580296 A1 19861017; FR 2580296 B1 19870710; JP H0245757 Y2 19901204; JP S6236390 U 19870304; SU 1400512 A3 19880530; US 4700930 A 19871020; ZA 862764 B 19861230

DOCDB simple family (application)

**EP 86440021 A 19860318**; AT 86440021 T 19860318; BR 8601681 A 19860414; CA 506548 A 19860414; CN 86102628 A 19860415; DE 3665076 T 19860318; ES 553955 A 19860414; FR 8505635 A 19850415; JP 5740186 U 19860415; SU 4027366 A 19860414; US 85120486 A 19860414; ZA 862764 A 19860414