

Title (en)

PROCESS AND APPARATUS FOR CONTINUOUSLY CONTROLLING BLAST FURNACES

Publication

EP 0181245 B1 19881214 (FR)

Application

EP 85401963 A 19851008

Priority

FR 8416082 A 19841019

Abstract (en)

[origin: ES8701845A1] This process and this installation permit taking samples of blast-furnace gas from a series of orifices (T1, T2 . . .) located at different levels along a generatrix of the body of the blast-furnace. There are performed, in sequence, operations for preparing sampling lines, operations for the analysis of the gases in a device (G), and pressure measuring operations in a pressure sensor (P). These various operations are managed by a programmable automaton (A) and the data obtained are used in a computer (C) in accordance with an embodiment of the installation.

IPC 1-7

C21B 7/24

IPC 8 full level

C21B 7/24 (2006.01); **C21B 5/00** (2006.01)

CPC (source: EP KR US)

C21B 5/00 (2013.01 - KR); **C21B 5/006** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0181245 A1 19860514; EP 0181245 B1 19881214; AT E39268 T1 19881215; AU 4880185 A 19860424; AU 581029 B2 19890209; BR 8505217 A 19860729; CA 1243489 A 19881025; DE 3566815 D1 19890119; ES 548602 A0 19861201; ES 8701845 A1 19861201; FI 80724 B 19900330; FI 80724 C 19900710; FI 854075 A0 19851018; FI 854075 L 19860420; FR 2572096 A1 19860425; FR 2572096 B1 19870213; IN 166279 B 19900407; JP 2635544 B2 19970730; JP S61179808 A 19860812; KR 870004150 A 19870507; KR 930009967 B1 19931013; US 4668285 A 19870526; ZA 857972 B 19860528

DOCDB simple family (application)

EP 85401963 A 19851008; AT 85401963 T 19851008; AU 4880185 A 19851017; BR 8505217 A 19851018; CA 493261 A 19851018; DE 3566815 T 19851008; ES 548602 A 19851016; FI 854075 A 19851018; FR 8416082 A 19841019; IN 806MA1985 A 19851014; JP 23313585 A 19851018; KR 850007716 A 19851018; US 78880885 A 19851018; ZA 857972 A 19851017