

Title (en)

METHOD AND APPARATUS FOR THE AUTOMATIC REGULATION OF A ROLLER MILL COMPRISING A PRODUCT-FEED CONTROL

Publication

EP 0038054 B2 19900110 (DE)

Application

EP 81102782 A 19810410

Priority

- CH 279680 A 19800411
- DE 3022564 A 19800616

Abstract (en)

[origin: WO8102852A1] According to the method, a mechanical control signal is generated according to the product supply for the control of a metering valve (9). To obtain powerful control operation with a high precision and reliability and of a simple and compact construction, the mechanical control signal is first transformed into a pneumatic signal which is transmitted as an input signal to a servocontrol (41) for regulating the product supply and/or to a servocontrol (18) for the start up or shut down of the milling cylinder. A device specially adapted to this method is a cylinder mill which comprises a mechanical signal transmitter (13, 15) operating a pneumatic regulating valve (17) of which the output is connected to the input of a servocontrol (18) actuating the metering valve (9) and/or the start up and shut down of milling cylinders (1, I", 2, 2").

IPC 1-7

B02C 25/00

IPC 8 full level

B02C 4/38 (2006.01); **B02C 4/28** (2006.01); **B02C 4/32** (2006.01); **B02C 25/00** (2006.01)

CPC (source: EP KR US)

B02C 4/286 (2013.01 - EP US); **B02C 4/32** (2013.01 - EP US); **B02C 4/38** (2013.01 - KR); **B02C 25/00** (2013.01 - KR)

Cited by

CN108325614A; US6145767A; CN1128021C; DE3404732A1; FR2541595A1; FR2576223A1; FR2542218A1; GB2137899A; WO9825702A1; WO9210295A1; US6502773B1; WO9858738A1

Designated contracting state (EPC)

AT BE FR GB IT NL SE

DOCDB simple family (publication)

WO 8102852 A1 19811015; AT E16570 T1 19851215; BR 8108439 A 19820309; CH 655251 A5 19860415; CS 256368 B2 19880415; DD 158209 A5 19830105; DE 3022564 A1 19811015; DE 3022564 C2 19870305; EP 0038054 A1 19811021; EP 0038054 B1 19851121; EP 0038054 B2 19900110; ES 501239 A0 19820916; ES 8207442 A1 19820916; HU 189976 B 19860828; JP S57500681 A 19820422; JP S6112745 B2 19860409; KR 830004885 A 19830720; KR 850000774 B1 19850531; LT 2539 B 19940215; LV 5593 A3 19940510; MX 156160 A 19880719; PL 140702 B1 19870530; PL 230664 A1 19811223; SU 1173937 A3 19850815; UA 6000 A1 19941229; US 4442980 A 19840417; WO 8404469 A1 19841122

DOCDB simple family (application)

EP 8100028 W 19810410; AT 81102782 T 19810410; BR 8108439 A 19810410; CH 279680 A 19800411; CH 8000151 W 19801205; CS 263781 A 19810408; DD 22919881 A 19810413; DE 3022564 A 19800616; EP 81102782 A 19810410; ES 501239 A 19810410; HU 145381 A 19810410; JP 50129381 A 19810410; KR 810001223 A 19810410; LT RP1211 A 19930928; LV 931276 A 19931125; MX 18682881 A 19810413; PL 23066481 A 19810413; SU 3362004 A 19811210; UA 3362004 A 19810410; US 32116581 A 19811109