

Title (en)
Control of an agitator mill.

Title (de)
Regelung einer Rührwerksmühle.

Title (fr)
Régulation d'un broyeur agitateur.

Publication
EP 0243682 B2 19941102 (DE)

Application
EP 87104450 A 19870325

Priority
DE 3614980 A 19860502

Abstract (en)
[origin: US4848676A] An apparatus for regulating an agitator mill for comminution, deagglomeration and dispersion of grinding stock present in the form of a suspension is provided. To attain a constantly uniform grinding stock fineness, a device is provided for keeping the specific energy input constant, the specific energy input being determined by the quotient of the power introduced into the grinding stock and the grinding stock mass flow. A device is also provided for detecting the distribution of the auxiliary grinding bodies in the grinding chamber. The distribution of the auxiliary grinding bodies can be determined by detecting the pressure drop in the grinding chamber. Further, the distribution of the auxiliary grinding bodies can be detected by means of at least two partial cooling chambers connected parallel to one another, with individual heat flows being detected via the partial cooling chambers.

IPC 1-7
B02C 17/16; **B02C 25/00**

IPC 8 full level
B02C 17/16 (2006.01); **B02C 25/00** (2006.01)

CPC (source: EP US)
B02C 17/16 (2013.01 - EP US); **B02C 25/00** (2013.01 - EP US)

Cited by
DE10011579B4

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL

DOCDB simple family (publication)
DE 3614980 C1 19930527; DE 3761288 D1 19900208; EP 0243682 A2 19871104; EP 0243682 A3 19880817; EP 0243682 B1 19900103; EP 0243682 B2 19941102; JP H0418900 B2 19920330; JP S6323753 A 19880201; US 4848676 A 19890718

DOCDB simple family (application)
DE 3614980 A 19860502; DE 3761288 T 19870325; EP 87104450 A 19870325; JP 10648887 A 19870501; US 24480988 A 19880915