

Title (en)

METHOD AND ARRANGEMENT FOR BREAKING UP BRITTLE MATERIAL

Publication

**EP 0285921 B1 19920930 (DE)**

Application

**EP 88104784 A 19880324**

Priority

DE 3712147 A 19870410

Abstract (en)

[origin: EP0285921A2] The invention relates to a method and an arrangement for breaking up brittle material which is initially broken up in a roller mill using high pressure and forming agglomerates, then experiences a treatment in order to disintegrate agglomerates and is subsequently graded on a sieve grader, the oversized particles being fed back to the roller mill and the portion of the product which grades the sieve grader being fed to a circulating mill arrangement. Such a method is characterised by an evened-out milling operation in both breaking-up stages, requires a lower energy consumption for the conveying of the material for milling from the first to the second breaking-up stage and thus permits a relatively large spatial distance between the two breaking-up stages.

IPC 1-7

**B02C 21/00**; **B02C 23/12**; **B02C 23/18**

IPC 8 full level

**B02C 21/00** (2006.01); **B02C 23/12** (2006.01); **B02C 23/18** (2006.01)

CPC (source: EP US)

**B02C 21/005** (2013.01 - EP US); **B02C 23/12** (2013.01 - EP US); **B02C 23/18** (2013.01 - EP US)

Cited by

CN107511205A; EP0727256A1; EP3895806A1; CN105855022A; US9067213B2; US10981177B2

Designated contracting state (EPC)

BE DE ES FR GB IT

DOCDB simple family (publication)

**EP 0285921 A2 19881012**; **EP 0285921 A3 19891004**; **EP 0285921 B1 19920930**; AU 1441888 A 19881013; AU 598122 B2 19900614; BR 8801583 A 19881108; DE 3712147 A1 19881020; DE 3874933 D1 19921105; DK 194588 A 19881011; DK 194588 D0 19880408; ES 2035132 T3 19930416; US 5154362 A 19921013; ZA 881934 B 19880908

DOCDB simple family (application)

**EP 88104784 A 19880324**; AU 1441888 A 19880408; BR 8801583 A 19880404; DE 3712147 A 19870410; DE 3874933 T 19880324; DK 194588 A 19880408; ES 88104784 T 19880324; US 42650589 A 19891023; ZA 881934 A 19880318