

Title (en)

Apparatus for reducing and crushing coarse material

Title (de)

Vorrichtung zum Zerkleinern und Brechen groben Materials

Title (fr)

Appareil de fragmentation et de concassage de gros matériaux

Publication

EP 0903183 B1 20021211 (EN)

Application

EP 98203133 A 19980917

Priority

NL 1007069 A 19970918

Abstract (en)

[origin: EP0903183A1] An apparatus for reducing and crushing coarse material comprises at least two rollers (3,4) in side-by-side substantially parallel relation which can be driven such that material supplied from above is discharged downwards between the rollers. Provided on the rollers are ribs which effect a reduction and crushing of the material supplied. The ribs of a first one of these rollers (3) are formed by two screw threads (8,9) having opposite leads for conveying material that is fed substantially centrally above the rollers laterally outwards in either direction, while the ribs of the second one (4) of these rollers are formed by oval disks (10) which are obliquely provided around the roller and which, when the roller is driven, perform a reciprocating movement, viewed in axial direction, causing a shearing and clearing movement between the oval disks (10) and the screw threads (8,9). <IMAGE>

IPC 1-7

B02C 19/22; **B02C 18/14**

IPC 8 full level

B02C 18/14 (2006.01); **B02C 19/22** (2006.01)

CPC (source: EP)

B02C 18/142 (2013.01); **B02C 19/22** (2013.01); **B02C 2018/147** (2013.01)

Cited by

FR3043091A1; EP2233644A1; CN109092537A; CN110577043A; AU2008231604B2; EA016173B1; EP3705183A1; US8100354B2; WO2008117096A3

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