

## Title (en)

Ring roller mill for pressure milling of granular material

## Title (de)

Ringwalzenmühle zur Druckzerkleinerung körnigen Gutmaterials

## Title (fr)

Broyeur à anneau et rouleau pour le broyage par pression de matériau granulé

## Publication

**EP 0829303 A1 19980318 (DE)**

## Application

**EP 97114172 A 19970816**

## Priority

DE 19637274 A 19960913

## Abstract (en)

The mill has a rotary grinding ring (10) whose cylindrical inside surface forms a grinding track (14), against which a drum (13) is pressed. An inlet and outlet are provided for the material, together with a gas inlet and exhaust. The grille (29) of a sieve-cage is mounted inside the ring and between the track and the drum. The ring can be mounted between end walls (15,16) forming a housing in conjunction with it. Material flows in via one or more openings (18) in one or both walls, and out via others and/or lateral bends (19) above the drum. The bearings for the latter can be outside the walls, and scrapers can be fixed to the latter, bearing against the track (14).

## Abstract (de)

Um eine Ringwalzenmühle bzw. eine Umlaufmahanlage mit Ringwalzenmühle und Sichter zu schaffen, die sich durch eine möglichst kompakte Einheit in Verbindung mit vergleichsweise niedrigen Investitions- und Betriebskosten auszeichnet, wird erfindungsgemäß vorgeschlagen, innerhalb des Mahlrings 10 einer Ringwalzenmühle im Raum zwischen der Mahlbahn 14 und der Mahlwalze 13 den Stabkorb 29 eines dynamischen Stabkorbsichters anzuordnen. <IMAGE>

## IPC 1-7

**B02C 15/06**; **B02C 23/32**; **B02C 23/16**

## IPC 8 full level

**B02C 15/06** (2006.01); **B02C 23/16** (2006.01); **B02C 23/32** (2006.01); **B02C 15/00** (2006.01)

## CPC (source: EP)

**B02C 15/06** (2013.01); **B02C 23/16** (2013.01); **B02C 23/32** (2013.01); **B02C 2015/002** (2013.01)

## Citation (applicant)

DE 1507600 A1 19690717 - MIAG MUEHLENBAU & IND GMBH

## Citation (search report)

- [YP] FR 2742078 A1 19970613 - FCB [FR]
- [Y] DE 588855 C 19331129 - KARL QUERFURTH
- [Y] EP 0173065 A2 19860305 - KRUPP POLYSIUS AG [DE]
- [A] EP 0486371 A2 19920520 - FCB [FR]
- [A] EP 0384101 A1 19900829 - KLOECKNER HUMBOLDT DEUTZ AG [DE]
- [A] NL 101034 C
- [A] WO 9500246 A1 19950105 - SMIDTH & CO AS F L [DK], et al

## Cited by

FR2983418A1; RU2701679C2; CN107520038A; CN114193612A; US9675977B2; WO2013079883A1

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DE DK FR

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