

Title (en)

Closed-circuit milling device with a high-pressure roller press and classifier

Title (de)

Kreislaufmahleinrichtung mit Hochdruck-Walzenmühle und Sichter

Title (fr)

Dispositif de broyage en circuit fermé avec une presse à rouleaux à haute pression et un classificateur

Publication

**EP 1247580 A3 20030521 (DE)**

Application

**EP 01130059 A 20011218**

Priority

DE 10063798 A 20001221

Abstract (en)

[origin: US2002079391A1] In order to further develop a circuit grinding apparatus with a roller mill or roller press for material bed disintegration of granular material and with at least one integrated sifter, where the mill and the sifter are disposed within two stationary side walls between which a material conveyor ring is rotatably seated and can be set into rotation for an internal circulation of material in such a way that the rotatably seated material conveyor ring, which has a very large diameter and rotates in operation, is as light as possible and the rotary actuator is configured as simply as possible, it is proposed in accordance with the invention to dispose around the bottom circumferential area of the material conveyor ring more than two, for example four rolls supporting the ring on the bottom, where two adjacent bearing rolls in circumferential direction of the ring are positioned at the ends of at least one common rocker lever which, in turn, is supported on the machine frame via a tilting joint.

IPC 1-7

**B02C 4/02**; **B02C 23/12**; **B02C 23/30**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [DY] DE 19726523 A1 19981224 - KLOECKNER HUMBOLDT WEDAG [DE]
- [Y] DE 1108718 B 19610615 - BETEILIGUNGS & PATENTVERW GMBH
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CN106216016A; AU2006312782B2; DE102005054209B4; US7690591B2; WO2007054191A1

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DOCDB simple family (application)

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