

Title (en)
Roller bowl mill.

Title (de)
Walzenschüsselmühle.

Title (fr)
Broyeur à galets à âme tournante.

Publication
EP 0348659 A2 19900103 (DE)

Application
EP 89108953 A 19890518

Priority
DE 3822290 A 19880701

Abstract (en)
[origin: JPH0240243A] PURPOSE: To reduce the number of exchangeable wear parts and to improve the dimensional accuracy of the blades of a nozzle ring by disposing the plural blades forming the nozzle ring along the outer peripheries of mill tray segments. CONSTITUTION: The blades 20 forming the nozzle ring 15 are arranged along the outer peripheries of the respective mill tray segments 7. The mill tray segments 7 and the blades 20 are made by casting from material having wear resistance. The blades 20 are curved in the rotating direction of a mill tray 3 and having an angle of 90 deg. with respect to a horizontal plane on the inflow side and constitute an angle of 30 deg. on the outflow side. Next the side facing the wall body of the main body 1 in the nozzle ring 15 rotating together with the mill tray 3 is limited by a diagonally extending plate material 21. The plate material 21 is projectingly provided to the top edges of the blades 20 and extends in compliance with the inclination at the outer edges of the blades 20.

Abstract (de)
Innerhalb des Gehäuses (1) einer Walzenschüsselmühle ist eine drehbare Mahlschüssel (3) angeordnet, die Mahlschüsselsegmente (7) enthält, auf denen stationär gelagerte Mahlwalzen (3) abrollen. An den Außenumfang der Mahlschüsselsegmente (7) sind Schaufeln (20) eines Düsenringes (15) angeformt.

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B02C 15/00

IPC 8 full level
B02C 15/04 (2006.01); **B02C 15/00** (2006.01)

CPC (source: EP US)
B02C 15/001 (2013.01 - EP US)

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DE GB IT NL

DOCDB simple family (publication)
EP 0348659 A2 19900103; EP 0348659 A3 19900321; EP 0348659 B1 19911227; CN 1013927 B 19910918; CN 1039543 A 19900214; DE 3822290 A1 19900104; DE 58900620 D1 19920206; JP 2764612 B2 19980611; JP H0240243 A 19900209; RU 1837972 C 19930830; US 4953793 A 19900904; ZA 894081 B 19900627

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EP 89108953 A 19890518; CN 89104393 A 19890630; DE 3822290 A 19880701; DE 58900620 T 19890518; JP 14822389 A 19890609; SU 4614268 A 19890615; US 37398689 A 19890629; ZA 894081 A 19890530