

Title (en)

Dynamic roller mill-air classifier.

Title (de)

Dynamischer Wälzmühlen-Luftstromsichter.

Title (fr)

Broyeur à rouleaux à séparateur pneumatique dynamique.

Publication

EP 0443119 B1 19940615 (DE)

Application

EP 90122986 A 19901130

Priority

DE 4005031 A 19900219

Abstract (en)

[origin: DE4005031C1] The dynamic wind sifter rotor has vertical slats with downstream gas and fines outlets, and coarse particle return. A central riser (1), restricted w.r.t. the mill housing (31) for the air-material mixt. flow is deflected radially outwards at the top of the sifter rotor (5) region, into a gravity flow. Louvres (4) in the sifting chamber (12) point towards the rotor and the flow of air and fines entering the rotor is diverted downwards through the rotor bottom hole (24) round the riser to a down shaft (27) round the riser. Coarse material (42) is returned downwards from the sifter chamber to the housing (31) through lines (32) separate from the riser.

IPC 1-7

B02C 23/32

IPC 8 full level

B02C 15/00 (2006.01); **B02C 23/12** (2006.01); **B02C 23/32** (2006.01); **B07B 7/083** (2006.01)

CPC (source: EP US)

B02C 23/32 (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE DK ES FR GB IT LI

DOCDB simple family (publication)

EP 0443119 A2 19910828; EP 0443119 A3 19920226; EP 0443119 B1 19940615; AT E107193 T1 19940715; CA 2036510 A1 19910820; CA 2036510 C 19970506; DE 4005031 C1 19910808; DE 59006151 D1 19940721; DK 0443119 T3 19941024; ES 2056350 T3 19941001; JP H06206050 A 19940726; JP H07106341 B2 19951115; LT 3222 B 19950425; LT IP433 A 19941025; LV 10402 A 19950220; LV 10402 B 19950420; RU 2014891 C1 19940630; UA 11094 A 19961225; US 5115989 A 19920526; ZA 911125 B 19911127

DOCDB simple family (application)

EP 90122986 A 19901130; AT 90122986 T 19901130; CA 2036510 A 19910218; DE 4005031 A 19900219; DE 59006151 T 19901130; DK 90122986 T 19901130; ES 90122986 T 19901130; JP 2484791 A 19910219; LT IP433 A 19930319; LV 920562 A 19921230; SU 4894499 A 19910218; UA 4894499 A 19910218; US 65654991 A 19910219; ZA 911125 A 19910215