

Title (en)  
DISINTEGRATOR

Publication  
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Application  
**EP 86904458 A 19860321**

Priority  
SU 8600022 W 19860321

Abstract (en)  
[origin: US4813619A] PCT No. PCT/SU86/00022 Sec. 371 Date Nov. 5, 1987 Sec. 102(e) Date Nov. 5, 1987 PCT Filed Mar. 21, 1986 PCT Pub. No. WO87/05534 PCT Pub. Date Sep. 24, 1987. A disintegrator comprises a housing (1) and a grinding chamber (2) accommodating grinding wheels mounted on shafts (9, 10) of electric motors. The peripheral zone of the chamber (2) accommodates inclined plates (13) of a classifier arranged about the circumference so that an annular slot (14) is formed between these plates and a cylindrical portion (3) of the chamber (2) through which the chamber (2) communicates with a separator (15). The separator (15) embraces one of the electric motors (11) and communicates by way of a passage (21) of return flow of air with an air distributor (22) embracing the electric motor (12). The distributor (22) is connected to the chamber (2) by way of annular slot (24) between the plates (13) of the classifier and the last grinding wheel (8) of the rotor. Connected to the separator (15) is a collector (18) of fine fraction of the material. The means for returning coarse fraction of the material has the form of an arcuate guide (29) arranged in close proximity to an opening (30) provided in the side wall (6) of the chamber (2) where through the chamber (2) communicates with the pipe (4) for charging the initial material (5).

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• DE 3490555 C2 19880317  
• DE 3526794 A1 19870205 - TALLINSK POLT INST [SU]  
• WO 8502354 A1 19850606 - TALLINSK POLT INST [SU]  
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