

Title (en)  
A SCREENING APPARATUS FOR PROCESSING MATERIAL

Title (de)  
SIEBVORRICHTUNG ZUR VERARBEITUNG VON MATERIAL

Title (fr)  
APPAREIL DE CRIBLAGE POUR TRAITEMENT DE MATÉRIAU

Publication  
**EP 4272879 A1 20231108 (EN)**

Application  
**EP 22171290 A 20220503**

Priority  
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Abstract (en)  
The present invention relates to a screening apparatus (1) configured for processing material that is capable of being separated into fine material and coarse material, the screening apparatus comprising a screen having an inlet end (3) for receiving material to be processed and an outlet end (4), in which the material to be processed is configured to move through the screen from the inlet end to the outlet end, and in which the screen is configured to rotate about a first axis of rotation extending centrally and longitudinally from the inlet end to the outlet end. The screen comprises a cylindrically shaped side wall configured with a plurality of spaced apart elongate rotating screen bars (5), each screen bar having a substantially elliptically shaped cross-section and a second axis of rotation about which it rotates, the screen and the screen bars are rotated simultaneously about their respective first and second axes of rotation, rotation of the screen and the screen bars causes separation of the material within the screen such that the separated fine material falls through spaces between the screen bars and the separated coarse material is retrieved at the outlet end of the screen.

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Citation (search report)  
• [YA] US 5248042 A 19930928 - KUHMONEN MAURI [FI]  
• [Y] US 2010012556 A1 20100121 - POHLE DANIEL L [US]  
• [A] GB 2267235 A 19931201 - BORD NA MONA [IE]

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