

Title (en)

SAFETY DEVICE FOR SIEVING GRANULAR MATERIAL

Title (de)

SICHTEREINRICHTUNG ZUM SICHTEN VON KÖRNI GEM GUT

Title (fr)

SYSTEME DE CRIBLAGE POUR CRIBLER DE LA MATIERE GRANULEUSE

Publication

EP 1951446 B1 20110105 (DE)

Application

EP 06828951 A 20061108

Priority

- EP 2006010670 W 20061108
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Abstract (en)

[origin: WO2007054270A1] In order to improve the design of a sieve device for sieving granular material with at least one rotational cage-rotor classifier and with a fines separator connected downstream therefrom, whereby saving space and specific energy demand for operating the entire device. To this end, the invention provides that a cyclone-like cyclone separator (21) is to be directly mounted with the smaller diameter of its housing cone (22) on the sieve housing opening (19) for drawing the flow of sieving gas (20), which flows out with angular momentum energy and which is loaded with the fines, whereby the cage-rotor classifier (10, 11) and the separator (21) form a compact modular unit, and an immersion tube (23) for drawing the flow of sieving gas (24), which is rid of the fines, is to be placed in the center of the cyclone separator (21), and at least one opening (25) for discharging the fines (26) is to be placed on the periphery of the cyclone separator housing (21).

IPC 8 full level

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CPC (source: EP US)

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