

Title (en)
CLASSIFYING DEVICE FOR CLASSIFYING GRANULAR MATERIAL AND CIRCULATING GRINDING PLANT INCORPORATING SUCH A CLASSIFYING DEVICE

Title (de)
SICHTEREINRICHTUNG FÜR KÖRNIGES GUT UND KREISAUFMAHLANLAGE MIT EINER SOLCHEN SICHTEREINRICHTUNG

Title (fr)
DISPOSITIF DE TAMISAGE DESTINÉ À TAMISER DES PRODUITS GRANULEUX ET INSTALLATION DE BROyage EN CIRCUIT FERMÉ À LAQUELLE EST RACCORDÉ UN TEL DISPOSITIF DE TAMISAGE

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Application
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Abstract (en)
[origin: WO2008022778A2] To provide a compact classifying device for classifying granular material, comprising a static cascade classifier, arranged as a pre-classifier within a classifier housing (10), downstream of which a further classifier is optionally arranged as a post-classifier, it is proposed according to the invention to use as the cascade classifier two assemblies of conical rings respectively arranged such that they are spaced apart one above the other and concentric to one another, to be specific a radially outer stairway-step conical ring assembly (11) and a radially inner classifying-flue conical ring assembly (12), and to give the classifying zone (13) that is formed between the radially outer ring assembly and the radially inner ring assembly approximately the shape of the lateral area of a truncated cone, the large diameter (D) of which lies on the upper side and the small diameter (d) of which lies on the underside of the ring assemblies, and to arrange a number of circumferentially distributed entry openings (14a, 14b etc.) for a material to be classified on the upper side of the classifying zone (13) of the static cascade classifier with the large diameter (D). The invention also comprises the incorporation of such a classifying device in a grinding circuit with a mill and a classifier.

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