

Title (en)

Centrifuge for the wet mechanical separation of solid mixtures

Title (de)

Zentrifuge zur nassmechanischen Trennung von Feststoffgemischen

Title (fr)

Centrifugeuse pour la séparation mécanique humide de mélanges solides

Publication

EP 1020227 A1 20000719 (EN)

Application

EP 00100957 A 20000118

Priority

DE 19901655 A 19990118

Abstract (en)

The present invention discloses a centrifuge that is not only suitable for a highly selective classification of fine-grained solids in very small increments, but can also be used for carrying out a sorting process and a classifying process simultaneously in one and the same machine so as to separate solid impurities from the fine grain to be obtained. According to the invention, a sorting zone (A) and a classifying zone (B) are integrated into this centrifuge, wherein the sorting zone (A) extends from the immersion disk (18) to the floats discharge (20) at one end of the centrifuge, and the adjacent classifying zone (B) extends from the immersion disk (18) to the sinks discharge (23) at the other end of the centrifuge. In this case, the coarse-grained solid (24) is discharged at the sinks discharge (23 or 26), while the fine-grained solid (25) is discharged from the centrifuge with the suspension fluid as a third phase. <IMAGE>

IPC 1-7

B04B 1/20; **B03B 5/32**

IPC 8 full level

B03B 5/32 (2006.01); **B04B 1/20** (2006.01)

CPC (source: EP)

B03B 5/32 (2013.01); **B04B 1/20** (2013.01); **B04B 2001/2041** (2013.01)

Citation (search report)

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