

Title (en)
High-intensity magnetic separator

Publication
EP 0137172 A2 19850417 (DE)

Application
EP 84109058 A 19840731

Priority
DE 3337145 A 19831012

Abstract (en)
1. High intensity magnetic separator, comprising a number of plane poles and knife shaped poles which lie opposite one another producing strongly converging magnetic fields, flow channels for the slurry being provided between the plane poles and the knife shaped poles, characterised in that the space between the plane pole (2) and an opposing knife shaped pole (3) is divided into a space (5) which is filled with non-magnetic wear-resistant material and has a low field strength and a space (6) which forms the flow channel for the slurry and has a high field strength.

Abstract (de)
Die Erfindung betrifft einen Starkfeld-Magnet-scheider, bei dem der Raum zwischen Flächenpol und Schneidenpol in einen mit unmagnetischem, verschleißfestem Material gefüllten Raum niedriger Feldstärke und einen den Strömungskanal für die Trübe bildenden Raum hoher Feldstärke unterteilt ist. Dadurch wird eine wesentliche Verbesserung der Trennschärfe erreicht.

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B03C 1/02

IPC 8 full level
B03C 1/02 (2006.01); **B03C 1/035** (2006.01)

CPC (source: EP)
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