

Title (en)
HIGH-INTENSITY MAGNETIC SEPARATOR

Publication
EP 0137172 A3 19850724 (DE)

Application
EP 84109058 A 19840731

Priority
DE 3337145 A 19831012

Abstract (en)
[origin: EP0137172A2] 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.

IPC 1-7
B03C 1/02

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

CPC (source: EP)
B03C 1/035 (2013.01)

Citation (search report)
• [A] WO 8002280 A1 19801030 - SCHLOEMANN SIEMAG AG [DE], et al
• [A] FR 1141536 A 19570903
• [A] DE 405920 C 19241118 - KRUPP FRIED GRUSONWERK AG

Cited by
US4816143A; AU589274B2

Designated contracting state (EPC)
DE GB SE

DOCDB simple family (publication)
EP 0137172 A2 19850417; EP 0137172 A3 19850724; EP 0137172 B1 19861015; AU 3414984 A 19850418; DE 3337145 A1 19850425; DE 3460939 D1 19861120; ZA 846125 B 19850424

DOCDB simple family (application)
EP 84109058 A 19840731; AU 3414984 A 19841011; DE 3337145 A 19831012; DE 3460939 T 19840731; ZA 846125 A 19840807