

Title (en)

MAGNETIC SEPARATION COMPRISING TWO ROTATING MAGNETIC DRUMS WITH POLARITY REVERSAL

Publication

EP 0006877 B1 19810715 (DE)

Application

EP 78900057 A 19780705

Priority

DE 2733473 A 19770725

Abstract (en)

[origin: US4296865A] A magnetic separator having two rotating magnetic drums of opposite polarity which form between them a working air-gap, and having directionally magnetized block magnets on each side of both end-faces of the magnetic drums in a closed magnetic circuit, the magnets being connected together on one side of their poles, in pairs with unlike poles, by means of soft-iron parts, and being provided, on the other side, with pole shoes in which are mounted soft-iron parts designed as axes, the drums each being arranged in a housing comprising slide plates which are located in the working air-gap and which converge at the inlet and diverge at the outlet, the said drums comprising axial grooves distributed radially around their peripheries, or having peripheries of star-shaped cross section.

IPC 1-7

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IPC 8 full level

B03C 1/26 (2006.01); **B03C 1/02** (2006.01)

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US 4296865 A 19811027; AT 358497 B 19800910; AT A531478 A 19800215; BE 869080 R 19781116; CH 622720 A5 19810430; DD 137195 A5 19790822; DE 2733473 A1 19790208; DE 2733473 C2 19860417; DK 365777 A 19790126; EP 0006877 A1 19800123; EP 0006877 B1 19810715; ES 471925 A2 19790516; FI 772476 A 19790126; GB 2020999 A 19791128; GB 2020999 B 19820415; IT 1109533 B 19851216; IT 7825693 A0 19780714; JP S5424364 A 19790223; NL 7807790 A 19790129; NO 772901 L 19790126; PL 208623 A1 19790521; SE 7709179 L 19790126; WO 7900060 A1 19790222

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US 2418179 A 19790319; AT 531478 A 19780721; BE 189346 A 19780718; CH 330379 A 19780705; DD 20686278 A 19780721; DE 2733473 A 19770725; DE 7800009 W 19780705; DK 365777 A 19770817; EP 78900057 A 19780705; ES 471925 A 19780721; FI 772476 A 19770819; GB 7909801 A 19780705; IT 2569378 A 19780714; JP 8892078 A 19780720; NL 7807790 A 19780720; NO 772901 A 19770822; PL 20862378 A 19780725; SE 7709179 A 19770815