

Title (en)

APPARATUS AND METHOD FOR MAGNETIC SEPARATION.

Title (de)

VORRICHTUNG UND VERFAHREN FÜR MAGNETISCHE ABSCHIEDUNG.

Title (fr)

PROCEDE ET DISPOSITIF DE SEPARATION MAGNETIQUE.

Publication

EP 0090827 A4 19841109 (EN)

Application

EP 82903031 A 19821013

Priority

AU PF116181 A 19811013

Abstract (en)

[origin: WO8301398A1] A method for the selective removal of non-magnetic hydrophobic substances from suspension or solution by adsorption on the surface of a particulate, hydrophobic magnetic material, characterised in that the solution or suspension is passed through a plug of the magnetic material, said plug being formed and maintained by a magnetic field designed to retain the magnetic particles against both viscous drag and gravitational forces and to give a uniform packing of the magnetic particles across the direction of flow of the solution or suspension.

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B03C 1/28

IPC 8 full level

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CPC (source: EP)

B03C 1/00 (2013.01); **B03C 1/01** (2013.01); **B03C 1/02** (2013.01)

Citation (search report)

- [X] US 3985649 A 19761012 - EDDELMAN ROY T
- [A] US 3714037 A 19730130 - ALMASI G, et al
- [A] IEEE TRANSACTIONS ON MAGNETICS, vol. MAG-11, no. 5, September 1975, NEW YORK (US), C. DE LATOUR et al.: "Magnetic separation in water pollution control - II", pages 1570-1572.

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