

Title (en)  
MAGNETIC SEPARATOR

Publication  
**EP 0162834 A3 19860219 (DE)**

Application  
**EP 85890117 A 19850521**

Priority  
AT 168484 A 19840522

Abstract (en)  
[origin: EP0162834A2] 1. A magnetic separator, preferably for the separation of materials having slight differences in magnetic susceptibility, consisting of exciting coils (3, 5 and 4, 6) for producing a magnetic field in the separation volume (7) in which the particles to be separated are exposed to a counter-force and a component of the magnetic force, characterised in that a force equilibrium is produced between the magnetic force and the opposingly directed counter-force on the particles located in the separation volume (7) wherein the magnetic field is induced predominantly by the form and position of the exciting coils (3, 5 and 4, 6).

IPC 1-7  
**B03C 1/02**

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

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

Citation (search report)  
• [X] DE 2157217 A1 19730524 - PREUSSAG AG  
• [X] FR 2369873 A1 19780602 - KLOECKNER HUMBOLDT DEUTZ AG [DE]  
• [X] FR 2467020 A1 19810417 - IMPERIAL COLLEGE [GB]  
• [X] US 4340468 A 19820720 - HISE JR EUGENE C, et al

Cited by  
WO9004458A1

Designated contracting state (EPC)  
BE CH DE FR GB LI NL

DOCDB simple family (publication)  
**EP 0162834 A2 19851127; EP 0162834 A3 19860219; EP 0162834 B1 19880727; AT 379525 B 19860127; AT A168484 A 19850615; DE 3563916 D1 19880901**

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