

Title (en)  
High gradient magnetic separator

Title (de)  
Hochgradienten-Magnetabscheider

Title (fr)  
Séparateur magnétique à gradient élevé

Publication  
**EP 1616627 A1 20060118 (DE)**

Application  
**EP 05008969 A 20050423**

Priority  
DE 102004034541 A 20040716

Abstract (en)  
In a high-gradient magnetic separator comprising a matrix (separating zone) positionable in a magnet system (2) and inlet(s) (4) and outlet(s) for a magnetizable particle suspension, the matrix comprises magnetizable plate-form separation surfaces (located between the inlet and outlet), through which divided partial volumes of suspension flow in succession. Alternate separation surfaces are fixed and moveable, the moveable surfaces being fixed to a moveably mounted carrier.

IPC 8 full level  
**B03C 1/03** (2006.01); **B03C 1/032** (2006.01)

CPC (source: EP US)  
**B03C 1/03** (2013.01 - EP US); **B03C 1/032** (2013.01 - EP US); **B03C 1/0332** (2013.01 - EP US)

Citation (search report)

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- [A] EP 0862948 A1 19980909 - KARLSRUHE FORSCHZENT [DE]
- [A] EP 0815941 A1 19980107 - KARLSRUHE FORSCHZENT [DE]

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DOCDB simple family (application)  
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