

Title (en)
High gradient magnetic separator

Title (de)
Hochgradienten-Magnetabscheider

Title (fr)
Séparateur magnétique à gradient élevé

Publication
EP 1616627 B1 20190206 (DE)

Application
EP 05008969 A 20050423

Priority
DE 102004034541 A 20040716

Abstract (en)
[origin: EP1616627A1] 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 1/032 (2006.01); **B03C 1/03** (2006.01); **B03C 1/033** (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)

Cited by
CN104623965A; JP2013237047A; AU2018274955B2; RU2711695C1; US10946390B2; WO2020193483A1; EP1848539A1; WO2019085409A1

Designated contracting state (EPC)
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