

Title (en)

SEPARATING DEVICE FOR SEPARATING MAGNETIC OR MAGNETIZABLE PARTICLES PRESENT IN A SUSPENSION

Title (de)

TRENNEINRICHTUNG ZUM SEPARIEREN VON IN EINER SUSPENSION ENTHALTENEN MAGNETISCHEN ODER MAGNETISIERBAREN TEILCHEN

Title (fr)

DISPOSITIF DE SÉPARATION POUR SÉPARER DES PARTICULES MAGNÉTIQUES OU MAGNÉTISABLES CONTENUES DANS UNE SUSPENSION

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Application

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Priority

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Abstract (en)

[origin: CA2828757A1] Separating device (1) for separating magnetic or magnetizable particles (8) present in a suspension, comprising a separating channel (4) through which the suspension can flow, a ferromagnetic yoke (3) arranged on one side of the separating channel, at least one magnetic field generating means for generating a magnetic deflection field and also a separating element (17) arranged at the outlet of the separating channel (4) for separating the magnetic or magnetizable particles, wherein the magnetic field generating means has a plurality of coils (6, 14, 15) which are arranged along the separating channel and can be controlled by a control device, wherein the control device (9, 13, 16) is formed with alternating current directions for controlling neighbouring coils (6, 14, 15).

IPC 8 full level

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CPC (source: EP US)

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