

Title (en)
SEPARATING DEVICE FOR SEPARATING PARTICLES ABLE TO BE MAGNETIZED AND PARTICLES NOT ABLE TO BE MAGNETIZED
TRANSPORTED IN A SUSPENSION FLOWING THROUGH A SEPARATING CHANNEL

Title (de)
TRENNEINRICHTUNG ZUR TRENNUNG VON IN EINER DURCH EINEN TRENNKANAL STRÖMENDE SUSPENSION TRANSPORTIERTEN
MAGNETISIERBAREN UND NICHTMAGNETISIERBAREN TEILCHEN

Title (fr)
DISPOSITIF DE SÉPARATION DESTINÉ À ÉLIMINER DES PARTICULES MAGNÉTISABLES ET NON MAGNÉTISABLES, TRANSPORTÉES
DANS UNE SUSPENSION S'ÉCOULANT À TRAVERS UN CANAL DE SÉPARATION

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Abstract (en)
[origin: WO2010031679A1] The invention relates to a separating device (1, 10, 14, 16, 17) for separating particles able to be magnetized and particles not able to be magnetized transported in a suspension flowing through a separating channel (3), having at least one permanent magnet (4, 4a, 4b, 4c, 4d) arranged on at least one side of the separating channel (3) for producing a magnetic field gradient which deflects particles able to be magnetized to said side, wherein a yoke (5) is provided for closing the magnetic circuit from the permanent magnet (4, 4a, 4b, 4c, 4d) to the side of the separating channel (3) opposite the permanent magnet (4, 4a, 4b, 4c, 4d) and/or between two permanent magnets (4, 4a, 4b, 4c, 4d).

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