

Title (en)

MAGNETIC SEPARATION DEVICE WITH MAGNETIC ACTIVATION AND DEACTIVATION

Title (de)

MAGNETISCHE TRENNVORRICHTUNG MIT MAGNETISCHER AKTIVIERUNG UND DEAKTIVIERUNG

Title (fr)

DISPOSITIF DE SÉPARATION MAGNÉTIQUE À ACTIVATION ET DÉSACTIVATION MAGNÉTIQUES

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Application

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Abstract (en)

[origin: WO2017046234A1] The present invention relates to a magnetic separating device (10) for separating magnetic particles from a suspension (14) with a soft magnetic tip (16), the magnetization state of which can be selectively changed between a more strongly magnetized state and a more weakly magnetized state, the tip (16) having an immersion end (16a) for insertion into the suspension (14) and a magnetizing section (16b) for changing the magnetization state of the tip (16), wherein the separating device (10) has a magnet arrangement (22), the magnetic field of which can be varied over time in the magnetizing section (16b) of the tip (16) for changing its magnetization state, characterized in that the separating device (10) comprises a second magnet arrangement (30), the first magnet arrangement (22) and the second magnet arrangement (30) being displaceable relative to each another, and the magnetization state of the soft magnetic tip (16) being dependent on the relative position of the two magnet arrangements (22, 30).

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