

Title (en)

METHOD AND DEVICE FOR COLLECTING SUSPENDED PARTICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SAMMLUNG VON SUSPENDIERTEN PARTIKELN

Title (fr)

PROCEDES ET DISPOSITIF POUR RECUEILLIR DES PARTICULES EN SUSPENSION

Publication

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Application

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Priority

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Abstract (en)

[origin: US7879214B2] A description is given of methods for collecting particles (1, 2) which are suspended in a liquid, including the following steps: providing the liquid containing the suspended particles (1, 2) in a compartment (10) having lateral surfaces (11), wherein at least one electrode (21) is arranged on at least one of the lateral surfaces (11), and generating high-frequency electric fields by means of the at least one electrode (21) so as to form at least one circulating flow (30), by means of which the particles (1, 2) are guided to at least one predetermined collecting area (40) in the compartment (10), wherein the flow (30) is formed in such a way that at least one branch of the flow runs along a longitudinal extent of the at least one electrode (21), and the flow (30) circulates about an axis (31) which is oriented perpendicular to the respectively adjacent lateral surface (11) with the electrode (21). Corresponding devices for collecting particles are also described.

IPC 8 full level

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