

Title (en)

HIGH EFFICIENCY INSTALLATION AND METHOD FOR FORMING A COMPACT FILM OF PARTICLES ON THE SURFACE OF A CARRIER LIQUID

Title (de)

HOCHLEISTUNGS-VORRICHTUNG UND -VERFAHREN ZUR BILDUNG EINES AUS GEORDNETEN TEILCHEN BESTEHENDEN KOMPAKTEN FILMS AUF DIE OBERFLÄCHE EINER TRAGENDEN FLÜSSIGKEIT

Title (fr)

INSTALLATION ET PROCEDE A RENDEMENT AMELIORE DE FORMATION D'UN FILM COMPACT DE PARTICULES A LA SURFACE D'UN LIQUIDE PORTEUR

Publication

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Application

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Abstract (en)

[origin: WO2015052275A1] The invention relates to an installation (1) for forming a compact film of particles (4) on the surface of a carrier fluid (16), comprising a zone (11) forming a carrier fluid reservoir, an inclined ramp (12), a particle accumulation and transfer zone (14), means (18) for setting the carrier fluid in motion, means (2) for dispensing the particles (4) in solution, configured to dispense the particles on the surface of the carrier fluid in the reservoir-forming zone, and a structure (50) for deflecting particles that is configured to favour, in a transverse direction (31) of the installation, a spreading of the particles (4) at the outlet of the reservoir-forming zone (11). According to the invention, the structure (50) for deflecting the particles is permeable by the carrier liquid (16).

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