

Title (en)

EQUIPMENT AND METHOD FOR DEPOSITING A FILM OF ORDERED PARTICLES ON A MOVING SUBSTRATE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ABSCHIEDUNG EINES FILMS AUS GEORDNETE TEILCHEN AUF EINEM BEWEGLICHEN SUBSTRAT

Title (fr)

INSTALLATION ET PROCEDE POUR LE DEPOT D'UN FILM DE PARTICULES ORDONNEES SUR UN SUBSTRAT EN DEFILEMENT

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Application

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Abstract (en)

[origin: WO2012113745A1] The invention relates to equipment for depositing a film of ordered particles (4) on a moving substrate (38), the equipment including: a transfer area (14) including a particle inlet (22) and a particle outlet (26) spaced apart from each other by two opposite side rims (28), and retaining a carrier liquid (16) on which the particles are floating; and a capillary bridge (42) providing the connection between the carrier liquid (16) contained in the transfer area (14) and the substrate (38). According to the invention, the equipment comprises a plurality of suction nozzles (32a, 32b) capable of drawing the particles (4) toward the two side rims (28).

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