

Title (en)  
DEVICES, MACHINE AND METHOD FOR APPLYING AND ALIGNING MAGNETIC OR MAGNETISABLE PARTICLES ON A WEB-TYPE OR SHEET-TYPE SUBSTRATE

Title (de)  
VORRICHTUNGEN, MASCHINE SOWIE VERFAHREN ZUM AUFTRAGEN UND AUSRICHTEN VON MAGNETISCHEN ODER MAGNETISIERBAREN PARTIKELN AUF EINEM BAHN- ODER BOGENFÖRMIGEN SUBSTRAT

Title (fr)  
DISPOSITIFS, MACHINES ET PROCÉDÉ D'APPLICATION ET D'ORIENTATION DE PARTICULES MAGNÉTIQUES OU MAGNÉTISABLES SUR UN SUBSTRAT EN FORME DE BANDE OU DE FEUILLE

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Abstract (en)  
[origin: WO2019201481A1] The invention relates to a device for aligning magnetic or magnetisable particles, which are contained in a coating means (06) applied to a first side of a web-type or sheet-type substrate (02), comprising an application device (04) arranged in the transport path of the substrate (02), by means of which the coating means (06) is applied or applicable to the first side of the substrate (02), in at least one application site, a first cylinder (37) embodied as a magnetic cylinder (37), which is arranged in the transport path of the substrate (02) to be transported, downstream of the application device (04), and comprises a plurality of elements (41) creating a magnetic field in the region of the outer periphery thereof, another cylinder (38\*; 39) embodied as a magnetic cylinder (38\*; 39), which is arranged in the transport path of the substrate (02) to be transported and comprises a plurality of elements (42) creating a magnetic field in the region of the outer periphery thereof, and a drying and/or hardening device (51) which is arranged on the transport path between the site of winding-on of the substrate (02) on the first cylinder (37) and the site of winding-on of the other cylinder (38\*; 39), the first cylinder (37) embodied as a magnetic cylinder (37) being arranged in the transport path of the substrate to be transported (02), on the second side thereof, and the drying and/or hardening device (51) being oriented in the transport path of the substrate (02) to be transported, on the first side thereof.

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