

Title (en)

DEVICE AND METHOD FOR PRODUCING A FIBROUS WEB

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER FASERSTOFFBAHN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE FABRICATION D'UNE BANDE DE MATIÈRE FIBREUSE

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Abstract (en)

[origin: WO2018206216A1] The invention relates to a device (1) for producing a multi-layer fibrous web (2), comprising a wire section (3) for forming the multi-layer fibrous web (2), a press section (11) for further dewatering of the multi-layer fibrous web (2) and a dry end (37) for drying the multi-layer fibrous web (2), the wire section (3) comprising a first air-permeable forming belt (4), which is designed to form a first layer (2a) of the multi-layer fibrous web (2) and which guides the formed multi-layer fibrous web (2) to a removal point (7) having a removal device (8), the removal device (8) comprising a removal suction element (9) and a further belt (10) wrapped around the removal suction element, and the multi-layer fibrous web (2) being removed from the first air-permeable forming belt (4) at the removal point (7) by means of the removal device (8), and the press section (11) comprising at least three press nips (12, 13, 14), the last two press nips (13, 14) being formed by a third press element (17) and a second press element (16) and a common counter element (18) having a smooth surface for smoothing the side of the first layer (2a) of the multi-layer fibrous web (2) that is in direct contact with the first air-permeable forming belt (4), and the first press nip (12) being formed by the second press element (16) of the second press nip (13) and a first press element (15). According to the invention, the first press nip (12) is double-felted and has an upper felt (20) and a lower felt (21), and the further belt (10) is designed as an air-permeable transfer belt (10) and extends from the removal point (7) to a point of transfer (23) of the fibrous web (2) onto the lower felt (21) of the first press nip (12), a transfer zone (22) thus being formed.

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