

Title (en)
PRESS DEVICE WITH A PRESS ROLLER

Title (de)
PRESSVORRICHTUNG MIT EINER DRUCKROLLE

Title (fr)
DISPOSITIF DE PRESSE DOTÉ D'UN ROULEAU DE PRESSE

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Application
EP 22748219 A 20220713

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Abstract (en)
[origin: WO2023283666A1] The invention relates to a device (1) for producing a web from a fiber-containing material, in particular tissue paper, comprising at least one continuous belt (2) for supporting and transporting a fibrous web (3). Additionally, at least one press roller (5) is provided, having: a longitudinal central axis (6), a lateral surface (9), a radial direction (10) which is arranged in the direction of the longitudinal central axis (6) starting from the lateral surface (9), and a rotational direction (11), with respect to which the press roller (5) is rotatably mounted. A gap (12) is formed between the press roller (5) and the continuous belt (2) in order to press the fibrous web (3), and a press substrate (13) is provided which is guided about at least one sub-region (14) of the lateral surface (9) of the press roller (5) so as to contact same, wherein the press roller (5) comprises multiple recesses (15) on the lateral surface (9), said recesses (15) being guided to at least one cavity (16) and opening into the at least one cavity, and the cavity (16) is arranged within the press roller (5) with respect to the radial direction (10). A negative pressure-generating unit (17) is provided, by means of which a negative pressure can be produced in the at least one cavity (16).

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