

Title (en)  
APPARATUS FOR COMPACTING A FIBROUS WEB

Title (de)  
VORRICHTUNG ZUM VERFESTIGEN EINER FASERBAHN

Title (fr)  
DISPOSITIF POUR CONSOLIDER UNE NAPPE DE FIBRES

Publication  
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Application  
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Abstract (en)  
[origin: WO2010115400A1] The invention relates to an apparatus for compacting a material web made of fibers and/or filaments, comprising a first revolving endless belt which carries the material web and is tensioned around guide rollers, and a second endless belt which is tensioned around guide rollers and revolves counter to the first belt at the same speed, wherein the first and second endless belts form a conical compacting region in a first region in the conveying direction of the material web and run at an angle with respect to each other, whereby the material web located between the belts is increasingly pressed, wherein subsequent to the first region a first nozzle beam is disposed for a first fluid application of the material web still located between the two endless belts, wherein the two belts in this region of the first fluid application are in each case guided to run in a tensioned manner in a straight direction. According to the invention, the following is provided: the two belts (1, 2) are guided in the region of the first fluid application (D, W, A) such that they do not run parallel to each other, or: the two belts (1, 2) are guided in the region of the first fluid application (D, W, A) such that they run parallel to each other in a first section (AB1) and not parallel to each other in a subsequent second section (AB2).

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