

Title (en)

METHOD AND APPARATUS FOR JOINING PAPER MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM FÜGEN VON PAPIERMATERIAL

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ASSEMBLAGE DE MATÉRIAU EN PAPIER

Publication

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Application

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Abstract (en)

[origin: WO2020178024A1] The present invention relates to a method for joining paper material (2, 3) in a first joining region (20) and a second joining region (30), comprising the steps of: roughening the first joining region (20) and/or the second joining region (30), moistening the first joining region (20) and/or the second joining region (30), and joining the first and second joining region (20, 30) between a sonotrode (60) and an anvil (63) of an ultrasonic friction welding apparatus (6) by means of ultrasonic friction welding, wherein a vibration direction (A) of the sonotrode (60) is not parallel to a joining force direction (B) of a joining force of the anvil (63).

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