

Title (en)
METHOD FOR BINDING PAPER SHEETS

Publication
EP 0390733 A3 19910508 (DE)

Application
EP 90810180 A 19900308

Priority
CH 115689 A 19890330

Abstract (en)
[origin: EP0390733A2] The method for stapling layers of paper is based on a bond under ultrasonic action. The sheets of paper are pretreated by means of a bonding agent by printing on, spraying on or impregnation with droplets before, during or after the printing. The ultrasonic action is performed by means of a [lacuna] comprising an ultrasonic vibrator 20 and a control device. The vibrator has a conical or blade-shaped stapling tool, the sonotrode 24. The latter is pressed during the ultrasonic action against the layers of sheets 26 which, in turn, rest against a plate-shaped or ridge-shaped counterbearing 27. <IMAGE>

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B42C 9/00

IPC 8 full level
B42B 5/00 (2006.01); **B31F 5/00** (2006.01); **B42C 3/00** (2006.01); **B42C 9/00** (2006.01)

CPC (source: EP)
B31F 5/008 (2013.01); **B42C 9/0093** (2013.01); **B65H 2301/436** (2013.01)

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