Title (en)

THERMAL BINDING DEVICE

Title (de)

THERMO-BINDEGERÄT

Title (fr)

APPAREIL DE RELIURE THERMIQUE

Publication

EP 1286842 A1 20030305 (DE)

Application

EP 01940169 A 20010417

Priority

- DE 0101500 W 20010417
- DE 10019510 A 20000418

Abstract (en)

[origin: WO0178996A1] The invention relates to a device for producing bound written material with representative covers, for marketing texts, magazines, constructions plans, collections of drawings, contracts, offers and promotional literature (catalogues) as required in small to medium series. A heatable ceramic surface (1) with an integrated heating element has several inductive (3) and thermal sensors (2) on its underside, for detecting covers with a metal inlay and for controlling the heat output. Said inductive sensors (3) are partially also supplemented with sensors with microswitches (16), optical sensors (17) and additionally, a pressure sensor (22) if the device is to be used for binding covers consisting of non metallic materials at the same time. The very short time for heating up the ceramic heating surface (1) made technically possible by the invention and the use of the stored temperature is made optimal use of through an internal flap system which is motor-operated. Integrated ventilators (4) ensure controlled ducted cooling which can also be supported by Peltier elements embedded in the ceramic heating surface (1). The inventive device can be used for binding different formats (DIN A4, DIN A5) and thicknesses.

IPC 1-7

B42C 9/00

IPC 8 full level

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DOCDB simple family (publication)

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