

Title (en)  
PRINTING DEVICE

Publication  
**EP 0153693 B1 19890517 (DE)**

Application  
**EP 85101843 A 19850220**

Priority  
DE 3406470 A 19840223

Abstract (en)  
[origin: ES8607828A1] A printing device for the production of tamper-proof printing on print receiving material comprises a printing head which carries individually controllable heating elements and a color transmitting embossing foil.

IPC 1-7  
**B41F 19/02; B41J 3/20; B41J 3/28**

IPC 8 full level  
**B41F 16/00** (2006.01); **B41F 19/02** (2006.01); **B41J 2/325** (2006.01); **B41J 3/28** (2006.01); **B41J 13/12** (2006.01)

CPC (source: EP US)  
**B41J 2/325** (2013.01 - EP US); **B41J 13/12** (2013.01 - EP US)

Cited by  
DE3609789A1; US5962832A; DE10141382C1; DE3907415A1; US2018257358A1; CN101982312A; US10688764B2; US11511530B2

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0153693 A2 19850904; EP 0153693 A3 19861126; EP 0153693 B1 19890517**; AT E43102 T1 19890615; AU 3906785 A 19850905; AU 578451 B2 19881027; CA 1230999 A 19880105; DE 3406470 C1 19850829; DE 3406470 C2 19980115; DE 3570211 D1 19890622; ES 540526 A0 19860601; ES 8607828 A1 19860601; JP H0380429 B2 19911224; JP S61179765 A 19860812; US 4650350 A 19870317; ZA 851204 B 19851030

DOCDB simple family (application)  
**EP 85101843 A 19850220**; AT 85101843 T 19850220; AU 3906785 A 19850222; CA 474908 A 19850222; DE 3406470 A 19840223; DE 3570211 T 19850220; ES 540526 A 19850219; JP 3519085 A 19850223; US 70468185 A 19850222; ZA 851204 A 19850218