

Title (en)  
PHOTOENGRAVED PRINTED DATA CARRIER

Title (de)  
IM STICHTIEFDRUCK BEDRUCKTER DATENTRÄGER

Title (fr)  
SUPPORT DE DONNEES IMPRIME PAR HELIOGRAVURE

Publication  
**EP 1272352 A1 20030108 (DE)**

Application  
**EP 01917117 A 20010326**

Priority

- DE 10015097 A 20000328
- EP 0103418 W 20010326

Abstract (en)  
[origin: DE10015097A1] Banknote paper has a printed surface (13) with print surfaces (14) within this print surface that are printed using an negative type printing process in which the paper is pushed at high pressure into engraved markings on the print plate that contain ink. Independent claims are made for a method for printing banknotes using such a negative type printing process, a print plate for use with such printing methods and a method for manufacturing the print plate using an engraving process.

IPC 1-7  
**B41M 3/14**; **B41M 1/10**; **B41C 1/02**

IPC 8 full level  
**B41C 1/045** (2006.01); **B41C 1/02** (2006.01); **B41M 1/10** (2006.01); **B41M 1/24** (2006.01); **B41M 3/06** (2006.01); **B41M 3/14** (2006.01); **B44F 1/12** (2006.01)

CPC (source: EP US)  
**B41C 1/02** (2013.01 - EP US); **B41M 1/10** (2013.01 - EP US); **B41M 3/14** (2013.01 - EP US); **B41M 3/16** (2013.01 - EP US)

Cited by  
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0172525 A1 20011004**; AT E260771 T1 20040315; AU 2001244223 B2 20040506; AU 4422301 A 20011008; BR 0109565 A 20030603; BR 0109565 B1 20110125; CA 2404853 A1 20020925; CA 2404853 C 20090106; CN 1232405 C 20051221; CN 1419498 A 20030521; DE 10015097 A1 20011004; DE 50101609 D1 20040408; DK 1272352 T3 20040712; DK 1272352 T4 20110711; EP 1272352 A1 20030108; EP 1272352 B1 20040303; EP 1272352 B2 20110323; ES 2217125 T3 20041101; ES 2217125 T5 20110512; JP 2003529463 A 20031007; PL 197134 B1 20080331; PL 359028 A1 20040823; PT 1272352 E 20040730; RU 2002127794 A 20040220; RU 2244632 C2 20050120; SI 1272352 T1 20041031; TR 200400517 T4 20040421; US 2003151246 A1 20030814; US 2010000432 A1 20100107; US 7618066 B2 20091117; ZA 200206942 B 20031113

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**EP 0103418 W 20010326**; AT 01917117 T 20010326; AU 2001244223 A 20010326; AU 4422301 A 20010326; BR 0109565 A 20010326; CA 2404853 A 20010326; CN 01807230 A 20010326; DE 10015097 A 20000328; DE 50101609 T 20010326; DK 01917117 T 20010326; EP 01917117 A 20010326; ES 01917117 T 20010326; JP 2001570458 A 20010326; PL 35902801 A 20010326; PT 01917117 T 20010326; RU 2002127794 A 20010326; SI 200130102 T 20010326; TR 200400517 T 20010326; US 23917902 A 20021120; US 56339409 A 20090921; ZA 200206942 A 20020828