

Title (en)

Method for making security films

Title (de)

Verfahren zur Herstellung von Sicherheitsfolien

Title (fr)

Procédé de fabrication de feuilles de sécurité

Publication

EP 1023499 B2 20150225 (DE)

Application

EP 98948925 A 19980907

Priority

- DE 19739193 A 19970908
- EP 9805668 W 19980907

Abstract (en)

[origin: WO9913157A1] The invention concerns a method for making secure sheets for bank note paper, consisting of a translucent support sheet and a masking coat applied on said sheet, with coat-free zones, in the form of letters, figures, signs, points and/or patterns and the like, capable of being clearly identified by transmission lighting. In said method, the support sheet is first printed with the letters, figures, signs, points and/or patterns and the like, said printing being produced with ink having high pigment content. The ink is then dried to obtain an embossed porous coat. Said coat, as well as the masking coat applied thereon or introduced therein, are eliminated by washing with a liquid. After it has dried, the support sheet can optionally be cut out into the required dimensions. The invention also concerns a secure sheet obtained by said method.

IPC 8 full level

D21H 21/42 (2006.01); **B41M 3/14** (2006.01); **B44C 3/00** (2006.01); **B44F 1/12** (2006.01); **D21H 21/44** (2006.01)

CPC (source: EP)

B41M 3/14 (2013.01); **D21H 21/44** (2013.01)

Citation (opposition)

Opponent :

JP H0679997 A 19940322 - REIKO KK

Cited by

DE10351129A1; DE10351129B4; EP2465703A3; US8534709B2; DE102012010908A1; WO2013178349A1; US8317231B2; US7479320B2; WO2012113546A2; DE102011012225A1; DE102008031325A1; US8534710B2; DE102007034716A1; US8603615B2; WO2009012893A2; EP3486092A1; DE102017010744A1; US7719733B2; US7989055B2; EP2465703A2; DE102010054854A1; EP2608161A1; DE102011121895A1; US8684417B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9913157 A1 19990318; AT E266122 T1 20040515; AU 9537398 A 19990329; DE 19739193 A1 19990311; DE 19739193 B4 20060803; DE 59811343 D1 20040609; DK 1023499 T3 20040809; EP 1023499 A1 20000802; EP 1023499 B1 20040506; EP 1023499 B2 20150225; ES 2217587 T3 20041101; PT 1023499 E 20040930

DOCDB simple family (application)

EP 9805668 W 19980907; AT 98948925 T 19980907; AU 9537398 A 19980907; DE 19739193 A 19970908; DE 59811343 T 19980907; DK 98948925 T 19980907; EP 98948925 A 19980907; ES 98948925 T 19980907; PT 98948925 T 19980907