

Title (en)

METHOD FOR THE PRODUCTION OF SCREEN CAVITIES IN A ROTOGRAVURE FORM AND BASE BODY APPLICABLE IN SAID METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG VON RASTERNÄPFCHEN IN EINER TIEFDRUCKFORM UND IN DEM VERFAHREN VERWENDBARER GRUNDKÖRPER

Title (fr)

PROCEDE DE REALISATION DE GODETS DE TRAME DANS UNE PLAQUE D'HELIOGRAVURE, ET CORPS DE BASE POUVANT ETRE UTILISE DANS CE PROCEDE

Publication

EP 1333976 B1 20060823 (DE)

Application

EP 01980111 A 20011115

Priority

- CH 0100668 W 20011115
- CH 22192000 A 20001115

Abstract (en)

[origin: WO0240272A1] The invention relates to the production of a rotogravure form, preferably comprising a rotationally symmetrical base body (1) and with screen cavities (5) as print information, by means of time-modulated, particularly pulsed laser radiation (9), whereby an erosion support layer (13) is applied to the surface regions (8), provided for information engraving on the base body (1), through which the screen cavities (5) are produced in said surface regions (8) with the laser radiation (9), by means of material ablation. Said erosion support layer (13) is subsequently removed to give burr-free screen cavities (5).

IPC 8 full level

B41B 17/00 (2006.01); **B41C 1/05** (2006.01); **B41N 1/06** (2006.01)

CPC (source: EP US)

B41B 17/00 (2013.01 - EP US); **B41C 1/05** (2013.01 - EP US); **B41N 1/06** (2013.01 - EP US)

Cited by

DE102012205702B3; US8038731B2; WO2008130309A1; WO2013149747A1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

WO 0240272 A1 20020523; DE 50110828 D1 20061005; EP 1333976 A1 20030813; EP 1333976 B1 20060823; JP 2004512997 A 20040430; US 2004029048 A1 20040212

DOCDB simple family (application)

CH 0100668 W 20011115; DE 50110828 T 20011115; EP 01980111 A 20011115; JP 2002542618 A 20011115; US 41670603 A 20030912