Title (en)

PROCESS AND DEVICE FOR THE PRODUCTION OF INTAGLIO PRINTING PLATES

Publication

EP 0368177 B1 19930714 (DE)

Application

EP 89120427 A 19891104

Priority

DE 3837941 A 19881109

Abstract (en)

[origin: EP0368177A2] A process and a device are specified for producing an intaglio printing plate in the printing press in an economic manner. An intaglio printing cylinder used as an intaglio printing starting plate - preferably made of ceramic - has an even basic cup pattern designed at least for the largest quantity of ink to be transferred. The cups are filled by an image spot transfer unit operating according to a known non-impact process, for example the thermotransfer principle or the principle of an ink jet printer, directly or with interposition of a transfer belt filled with a meltable substance to the extent that the volume remaining unfilled corresponds to the quantity of ink to be transferred by one cup in each case. The substance can easily be removed on completion of the printing operation and washing out of the ink residues by heating the intaglio printing cylinder, after which the cylinder can be provided with a new printing image. Thus the production of the intaglio printing plate and the changeover of an intaglio printing press is designed in total to be far more rational and the intaglio printing process is also economic for smaller editions. <IMAGE>

IPC 1-7

B41C 1/055

IPC 8 full level

B41C 1/00 (2006.01); **B41C 1/055** (2006.01); **B41C 1/06** (2006.01)

CPC (source: EP)

B41C 1/003 (2013.01); **B41C 1/055** (2013.01); B41N 3/003 (2013.01); B41P 2227/70 (2013.01)

Cited by

US6928930B1; WO03041961A1; WO2012143517A1; EP0813957B2

Designated contracting state (EPC)

DE FR GB NL SE

DOCDB simple family (publication)

EP 0368177 A2 19900516; **EP 0368177 A3 19901205**; **EP 0368177 B1 19930714**; DE 3837941 A1 19900510; DE 3837941 C2 19900830; DE 58904910 D1 19930819; JP 2801299 B2 19980921; JP H02187335 A 19900723

DOCDB simple family (application)

EP 89120427 A 19891104; DE 3837941 A 19881109; DE 58904910 T 19891104; JP 29016389 A 19891109