

Title (en)
Relief printing and application therefore

Title (de)
Hochdruckverfahren und Auftragsvorrichtung zu seiner Durchführung

Title (fr)
Procédé d'impression en relief et applicateur

Publication
EP 0542190 B1 19980304 (DE)

Application
EP 92119198 A 19921110

Priority
DE 4137337 A 19911113

Abstract (en)
[origin: EP0542190A2] In a process for applying binder systems, in particular printing ink, to web material by the relief printing technique, a solvent-free binder system is applied to the relief printing form of an applicator roll by means of an engraved roller which has engraved cells of a cell depth of $\leq 15 \mu\text{m}$. The applicator device has an impression cylinder and one or more applicator rolls which are each supplied with a binder system, preferably printing ink, via a binder application system with an engraved roller, which has engraved cells of a cell depth of $\leq 15 \mu\text{m}$.

IPC 1-7
B41M 7/00; **B05C 1/08**; **B41N 7/06**

IPC 8 full level
B41F 13/11 (2006.01); **B05C 1/08** (2006.01); **B41F 31/02** (2006.01); **B41F 31/08** (2006.01); **B41M 1/02** (2006.01); **B41M 7/00** (2006.01); **B41N 7/06** (2006.01); **C09D 11/02** (2014.01); **C09D 11/037** (2014.01); **C09D 11/10** (2014.01); **C09D 11/101** (2014.01); **C09D 11/106** (2014.01)

CPC (source: EP US)
B05C 1/0808 (2013.01 - EP US); **B05C 1/0813** (2013.01 - EP US); **B41F 31/027** (2013.01 - EP US); **B41F 31/08** (2013.01 - EP US); **B41M 1/02** (2013.01 - EP US); **B41N 7/06** (2013.01 - EP US); **B41M 7/0081** (2013.01 - EP US); **B41N 2207/02** (2013.01 - EP US); **B41P 2251/112** (2013.01 - EP US)

Cited by
EP0930161A1; EP0941843A1; EP2384888A3; EP0958920A1; DE102007052767A1; EP1676703A3; FR2762542A1; US6065402A; EP2727652A1; EP0622126A3; EP1034905A3; WO9719762A1; WO0216050A3; WO0007742A1; EP2110181B1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0542190 A2 19930519; **EP 0542190 A3 19930811**; **EP 0542190 B1 19980304**; AT E163597 T1 19980315; CA 2082723 A1 19930514; DE 4137337 A1 19930519; DE 59209214 D1 19980409; DK 0542190 T3 19981228; ES 2116305 T3 19980716; JP 3270543 B2 20020402; JP H0640141 A 19940215; US 5671678 A 19970930

DOCDB simple family (application)
EP 92119198 A 19921110; AT 92119198 T 19921110; CA 2082723 A 19921112; DE 4137337 A 19911113; DE 59209214 T 19921110; DK 92119198 T 19921110; ES 92119198 T 19921110; JP 30364292 A 19921113; US 54109095 A 19951011