

Title (en)
APPARATUS AND METHOD FOR PRODUCING DECORATIVE SYNTHETIC COATINGS

Publication
EP 0121748 B1 19880629 (FR)

Application
EP 84102313 A 19840303

Priority
LU 84688 A 19830311

Abstract (en)
[origin: US4675216A] A process and apparatus for manufacturing synthetic decorative coverings is presented in which at least one powder (generally a polymeric resin) is selectively deposited, in accordance with a pattern or decoration, onto a base material. The powder deposition is carried out under gravity without contact between the means of applying the powder and the base. At least one of the deposited powders contains particles which are fusible at a temperature below the distortion temperature of the base and which is compatible with the base material. At least one thermal treatment is then carried out at a temperature below the distortion temperature of the base so as to fix the decorative pattern produced by deposited powders. The apparatus for applying the powders consists of a continuous screen printing frame, in particular, a screen printing roller which is fed by a device providing uniform distribution of the powder into a hopper located inside the roller. The hopper has two longitudinal blades which are adjustably separated and are in contact with the inner surface of the screen.

IPC 1-7
B05C 19/00; **B05D 1/30**; **B05D 5/06**; **B41M 1/12**

IPC 8 full level
B05C 19/00 (2006.01); **B05D 1/30** (2006.01); **B05D 5/06** (2006.01); **B41M 1/12** (2006.01); **B44C 1/20** (2006.01); **B44C 3/02** (2006.01)

CPC (source: EP US)
B05D 7/02 (2013.01 - EP US); **B05D 3/0254** (2013.01 - EP US); **B05D 2401/32** (2013.01 - EP US)

Cited by
DE4116616A1; WO9705965A1

Designated contracting state (EPC)
AT CH DE GB LI LU NL SE

DOCDB simple family (publication)
US 4675216 A 19870623; AT E35383 T1 19880715; AU 2542384 A 19840913; AU 567330 B2 19871119; BE 899125 A 19840702; CA 1221279 A 19870505; DE 3472373 D1 19880804; DK 131584 A 19840912; DK 131584 D0 19840229; DK 165548 B 19921214; DK 165548 C 19930426; EP 0121748 A1 19841017; EP 0121748 B1 19880629; ES 530425 A0 19851101; ES 544153 A0 19860601; ES 8600716 A1 19851101; ES 8607120 A1 19860601; FR 2542260 A1 19840914; FR 2542260 B1 19910712; GR 81846 B 19841212; IE 55029 B1 19900425; IE 840589 L 19840911; IT 1175962 B 19870812; IT 8419999 A0 19840309; JP H0657480 B2 19940803; JP S59209117 A 19841127; LU 84688 A1 19831117; NO 166927 B 19910610; NO 166927 C 19910918; NO 840919 L 19840912; PT 78232 A 19840401; PT 78232 B 19860422

DOCDB simple family (application)
US 58885784 A 19840312; AT 84102313 T 19840303; AU 2542384 A 19840308; BE 6047941 A 19840309; CA 449115 A 19840308; DE 3472373 T 19840303; DK 131584 A 19840229; EP 84102313 A 19840303; ES 530425 A 19840308; ES 544153 A 19850614; FR 8403596 A 19840308; GR 840174010 A 19840307; IE 58984 A 19840309; IT 1999984 A 19840309; JP 4485984 A 19840310; LU 84688 A 19830311; NO 840919 A 19840309; PT 7823284 A 19840309