Title (en)
   Coating method and device

Title (de)
   Einrichtung und Verfahren zum Beschichten

Title (fr)
   Dispositif et procédé de revêtement

Publication
   EP 2314386 B1 20140820 (DE)

Application
   EP 10187885 A 20101018

Priority
   • DE 102009050389 A 20091022
   • DE 102010041398 A 20100927

Abstract (en)
   [origin: EP2314386A1] The method involves applying a coating on a substrate (B) by a high-pressure, gravure or offset printing by a rotary printing machine. An optically visible or invisible pattern or effect is obtained by exposure of a magnetic field on a magnetic pigment (2) and/or particles in the coating during running of the printing machine. The pattern or the effect after exposure to the magnetic field in the coating is fixed by drying or radiation. The magnetic field is generated by a permanent- or electromagnet (3), an intermediate layer and a magnetizing head. An independent claim is also included for a device for executing a method for producing an optically visible or invisible effect or pattern in a coating.

IPC 8 full level
   B05D 3/00 (2006.01); **B05D 5/06** (2006.01); **B41F 19/00** (2006.01); **B41M 3/00** (2006.01); **B42D 15/00** (2006.01); **G03G 19/00** (2006.01)

CPC (source: EP US)
   B05D 3/207 (2013.01 - EP); **B05D 5/065** (2013.01 - EP); **B41F 19/00** (2013.01 - EP); **B41M 3/005** (2013.01 - EP); **B42D 25/29** (2014.10 - EP); **G03G 19/00** (2013.01 - EP); **G09F 7/04** (2013.01 - US); B05D 2252/00 (2013.01 - EP); B05D 2601/02 (2013.01 - EP); B42D 2033/16 (2022.01 - EP)

Citation (examination)
   WO 2004007095 A2 20040122 - FLEX PRODUCTS INC [US]

Cited by
   DE102013015277B4; GB2519042B; CN104284738A; KR20150013529A; RU2614674C2; AU2013258245B2; DE102013015277A1; WO2013167425A1; WO2013152696A1; US9834028B2; US9933640B2; TWI569893B; US11858253B2; WO2022258521A1

Designated contracting state (EPC)
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