

Title (en)

Method for preparing flexographic matrixes for printing cylinders, typically for decorating ceramic tiles, disposable flexographic matrixes obtained thereby and modular printing cylinders equipped therewith

Title (de)

Verfahren zur Herstellung von flexographischen Matrizen für Druckzylinder, insbesondere zur Dekoration von keramischen Fliesen, damit hergestellte, wegwerfbare, flexographische Matrizen, und damit ausgerüstete modulare Druckzylinder

Title (fr)

Méthode de préparation de matrices flexographiques pour les cylindres d'impression, en particulier pour la décoration de carreaux en céramique, matrices flexographiques jetables ainsi obtenus et cylindres d'impression modulaires ainsi équipés

Publication

EP 1190867 A3 20031203 (EN)

Application

EP 01203437 A 20010912

Priority

IT RE20000090 A 20000921

Abstract (en)

[origin: EP1190867A2] A method for preparing flexographic printing matrixes, characterised by the following operative stages: providing a form comprising a thin-walled rigid cylindrical sleeve provided with two outer circumferential end shoulders, and locking it in an upright position at an injection station; creating about said sleeve a first annular forming chamber extending between said shoulders; filling said first chamber with a first fluid elastomeric material which on termination of curing is soft and elastically deformable; creating about said first material, when cured, a second annular forming chamber narrower than the preceding; filling said second chamber with a second fluid elastomeric material which on termination of curing is flexible and non-deformable; and removing the piece formed in this manner from said station when said second material is <IMAGE>

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CPC (source: EP)

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Citation (search report)

- [A] US 5544584 A 19960813 - THOMPSON WILLIAM L [US], et al
- [A] US 5983799 A 19991116 - LANE III WILLIAM JAMES [US], et al
- [A] DE 4002773 A1 19910808 - CLOUTH GUMMIWERKE AG [DE]
- [A] US 3646652 A 19720307 - HEILIGENTHAL HARRY E, et al
- [A] DE 4321920 A1 19950112 - GRAMMER AG [DE]
- [A] US 3619446 A 19711109 - NAUTA JAN P

Cited by

EP1598183A1; US11820125B2; WO2021014268A1

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