

Title (en)
Method for processing a structured surface

Title (de)
Verfahren zur Bearbeitung einer strukturierten Oberfläche

Title (fr)
Procédé de traitement d'une surface structurée

Publication
EP 2060658 A3 20090617 (DE)

Application
EP 07023647 A 20071206

Priority
DE 102007055053 A 20071116

Abstract (en)
[origin: EP2060658A2] The method for treating a surface of an embossing tool such as a press plate (1) or an endless belt, comprises applying a first mask on the surface for fine structuring, chemically treating the surface provided with the first mask for obtaining a surface structure, applying a second mask on the chemically treated surface for pore structuring, chemically treating the surface provided with the second mask for obtaining the surface structure, applying a third mask on the chemically treated surface, and chemically treating the surface provided with the third mask. The method for treating a surface of an embossing tool such as a press plate (1) or an endless belt, comprises applying a first mask on the surface for fine structuring, chemically treating the surface provided with the first mask for obtaining a surface structure, applying a second mask on the chemically treated surface for pore structuring, chemically treating the surface provided with the second mask for obtaining the surface structure, applying a third mask on the chemically treated surface, chemically treating the surface provided with the third mask, polishing the chemically treated surface, activating the polished surface, cleaning the activated surface, chrome-plating the cleaned surface, applying a fourth mask on the chrome-plated surface, and chrome-plating the surface chrome-plated with the fourth mask. The masks are applied by the digital printing technique. Independent claims are included for: (1) a method for treating a structured surface of an embossing tool; and (2) an embossing tool.

IPC 8 full level
C23C 18/16 (2006.01)

CPC (source: EP)
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Citation (search report)
• [A] EP 1034876 A1 20000913 - BERNDORF BAND GMBH [AT]
• [A] WO 9219461 A1 19921112 - STANDEX INT GMBH [DE]

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