

Title (en)

Processless lithographic printing plates

Title (de)

Entwicklungsfreie Flachdruckplatten

Title (fr)

Plaques d'impression lithographiques sans développement.

Publication

EP 1705003 B1 20071024 (EN)

Application

EP 05102222 A 20050321

Priority

EP 05102222 A 20050321

Abstract (en)

[origin: EP1705003A1] A method of lithographic printing is disclosed which comprises the steps of (i) providing a heat-sensitive lithographic printing plate precursor comprising on a support having a hydrophilic surface or which is provided with a hydrophilic layer, a coating comprising a polymer modified with at least two groups which can form four hydrogen bonds, said groups being defined as "quadruple hydrogen bonds" or "QHB" groups; (ii) exposing said printing plate precursor to heat and/or infrared light whereby the coating switches from a hydrophilic state into a hydrophobic state or from a hydrophobic state into a hydrophilic state, thereby producing a lithographic printing master without an intermediate wet development step; (iii) supplying ink and/or fountain to said lithographic printing master by means of a lithographic printing press.

IPC 8 full level

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