

Title (en)

Heat-sensitive lithographic printing plate precursor

Title (de)

Wärmeempfindlicher Flachdruckplattenvorläufer

Title (fr)

Précurseur de plaque d'impression lithographique thermosensible

Publication

**EP 1738900 A1 20070103 (EN)**

Application

**EP 05105880 A 20050630**

Priority

EP 05105880 A 20050630

Abstract (en)

A heat-sensitive lithographic printing plate precursor is disclosed which comprises a support having a hydrophilic surface and a coating which does not dissolve in an aqueous alkaline developer in the unexposed areas and which becomes soluble in an aqueous alkaline developer in the exposed areas, wherein said coating comprises a polymer having a first monomeric unit of formula I wherein R 1 , R 2 and R 3 are independently a hydrogen atom or an optionally substituted alkyl group, R 4 and R 5 are independently an optionally substituted alkyl, cycloalkyl, aryl or arylalkyl group. The precursor exhibits an excellent differentiation in dissolution kinetics between the exposed and non-exposed areas of the coating and a high chemical resistance against printing liquids and press chemicals.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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EP2042308A3; CN102114725A; US8283101B2; EP2042305A2; WO2009032080A1

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