

Title (en)

Lithographic printing plates comprising bi-functional compounds.

Title (de)

Lithographische Druckplatten welche bifunktionelle Verbindungen enthalten

Title (fr)

Plaques d'impression lithographiques comprenant des composés bifonctionnels

Publication

**EP 1787810 B1 20110112 (EN)**

Application

**EP 06121704 A 20061004**

Priority

- EP 05110568 A 20051110
- EP 06121704 A 20061004

Abstract (en)

[origin: EP1787810A2] A heat-sensitive lithographic printing plate precursor comprising on a grained and anodized aluminum support a compound which is capable of converting from a hydrophobic state to a hydrophilic state or vice versa upon exposure to heat, and is represented by the following formula: #####A-(L) n -B wherein L represents a linking group, n represents 0 or 1 and B represents a thermo-labile group; characterized in that the compound further comprises the group A which is a functional group capable of interacting with the surface of a grained and anodized aluminum support and is selected from the list consisting of a halosilanyl group, an alkoxysilanyl group, a phosphonic acid group or a salt thereof, a phosphoric acid group or a salt thereof, a salicylic acid group or a salt thereof, a boronic acid group or an ester or a salt thereof, an optionally substituted di or tri-hydroxyaryl group, an optionally substituted salicaldoxime group, an optionally substituted salicaldimine group, an optionally substituted hydroxyheteroaryl group, an amidine group, a 1,3-dicarbonyl group or a group represented by the formula (i) wherein Q and Z independently represent the necessary atoms to form an optionally substituted five or six membered aromatic or heteroaromatic ring.

IPC 8 full level

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