

Title (en)

Heat-sensitive lithographic printing plate precursor

Title (de)

Wärmeempfindlicher lithographischer Druckplattenvorläufer

Title (fr)

Précurseur thermosensible de plaque d'impression lithographique

Publication

EP 1449675 A1 20040825 (EN)

Application

EP 04003616 A 20040218

Priority

DE 10307521 A 20030221

Abstract (en)

Heat-sensitive element, comprising (a) an optionally pretreated substrate (b) a positive working heat-sensitive coating, comprising at least one phenolic resin and at least one inhibitor polymer selected from (i) polymers comprising saturated (hetero)cyclic moieties with at least one carbonyl group, the carbon atom of which is part of the (hetero)cyclic moiety, said (hetero)cyclic moieties being bonded to a polymer chain directly (ii) polymers comprising unsaturated heterocyclic moieties which are bonded to a polymer chain directly and which have a ring nitrogen atom, said ring nitrogen atom being bonded to the two adjacent ring carbon atoms via a single bond and a double bond and moreover having a free electron pair, and (iii) copolymers comprising both saturated (hetero)cyclic moieties as defined in (i) and unsaturated heterocyclic moieties as defined in (ii).

IPC 1-7

B41M 5/36; **B41C 1/10**

IPC 8 full level

B41C 1/10 (2006.01); **B41M 5/36** (2006.01)

CPC (source: EP)

B41C 1/1008 (2013.01); **B41M 5/368** (2013.01); **B41C 2210/02** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Citation (applicant)

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