

Title (en)

Dual-layer heat-sensitive imageable elements with phosphorous containing polymers in the top layer

Title (de)

Doppellagige, wärmeempfindliche, bilderzeugende Elemente mit Phosphor enthaltenden Polymeren in der Deckschicht

Title (fr)

Éléments imageables thermosensibles à deux couches avec polymères contenant du phosphore dans la couche supérieure

Publication

**EP 1884359 A1 20080206 (EN)**

Application

**EP 06016333 A 20060804**

Priority

EP 06016333 A 20060804

Abstract (en)

Heat-sensitive positive working element comprising: a) a substrate; b) a bottom layer, which is soluble or swellable in aqueous alkaline developers and comprises at least one first polymeric material soluble or swellable in aqueous alkaline developers and insoluble inorganic solvents of low polarity; and c) an ink-accepting top layer which is not soluble or dispersible in and not penetrable by an aqueous alkaline developer but is rendered soluble or dispersible in or penetrable by the developer upon exposure to heat and/or IR radiation, and which comprises a second polymeric material which is different from the first polymeric material, comprises a polymer backbone and pendant phosphonic acid groups and/or phosphate groups and has an acid number of up to 60 mg KOH/g polymer.

IPC 8 full level

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CPC (source: EP)

**B41C 1/1016** (2013.01); **B41C 2210/02** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/14** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Citation (applicant)

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Citation (search report)

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