

Title (en)

HEAT-SENSITIVE RECORDING SHEET AND USE OF THE SAME

Title (de)

WÄRMEEMPFINDLICHER AUFZEICHNUNGSBOGEN UND SEINE VERWENDUNG

Title (fr)

FEUILLE DE REPRODUCTION THERMOSENSIBLE ET SON UTILISATION

Publication

**EP 1333991 B1 20040818 (DE)**

Application

**EP 01983538 A 20011009**

Priority

- DE 10051294 A 20001016
- EP 0111677 W 20011009

Abstract (en)

[origin: DE10051294C1] Thermographic material, has protective coating of water-insoluble, self-crosslinking acrylic polymer and crosslinker pigmented (mainly) with highly purified, alkali-treated bentonite. In thermographic sheet with a substrate, a thermographic layer containing a color coupler and acceptor and a protective coating containing binder (I), crosslinker (II) and pigment, this coating contains inorganic pigment(s) (III), including  $\geq 80$  wt.% highly purified alkali-treated bentonite (IIIA); (I) consists of water-insoluble, self-crosslinking acrylic polymer(s); the (I)/(III) ratio is 7:1 to 1:9; the (II).(I) ratio is over 1:5; and has a smoothness of  $\geq 900$  Bekk seconds.

IPC 1-7

**B41M 5/40**; **G09F 3/02**

IPC 8 full level

**B42D 25/27** (2014.01); **B41M 5/28** (2006.01); **B41M 5/30** (2006.01); **B41M 5/337** (2006.01); **B41M 5/40** (2006.01); **B41M 5/42** (2006.01); **B42D 25/305** (2014.01); **B42D 25/333** (2014.01); **B42D 25/36** (2014.01); **G09F 3/02** (2006.01)

CPC (source: EP US)

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WO2013041302A1; EP1925459A2; DE102011114129A1

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