

Title (en)

Processless thermal printing plate with well defined nanostructure

Title (de)

Verarbeitungsfreie thermische Flachdruckplatte mit definierter Nanostruktur

Title (fr)

Plaque lithographique thermique sans traitement avec nanostructure bien déterminée

Publication

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Application

EP 98202576 A 19980731

Priority

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Abstract (en)

According to the present invention there is provided a heat-sensitive material for making lithographic printing plates comprising on a lithographic support an image-forming layer comprising a hydrophilic binder, a cross-linking agent for said hydrophilic binder, metal oxide particles with a mean diameter of at least 100 nm and dispersed hydrophobic thermoplastic polymer particles, characterized in that said image-forming layer has a ratio of specific surface (in m^2 per g) over mean roughness (in μm) of more than 0.65 and that the mean pore width is less than 15 nm.

IPC 1-7

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

IPC 8 full level

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Citation (search report)

- [DA] EP 0770494 A2 19970502 - AGFA GEVAERT NV [BE]
- [DA] "A LITHOGRAPHIC PRINTING PLATE", RESEARCH DISCLOSURE, no. 333, 1 January 1992 (1992-01-01), pages 2, XP000281114

Cited by

US6852469B2; US6815137B2; US6551757B1; US6686125B2

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