

Title (en)

Photothermographic material and image forming method

Title (de)

Photothermographisches Material und Bildherstellungsverfahren

Title (fr)

Matériau photothermographique et procédé pour la production d'une image

Publication

EP 1584978 A1 20051012 (EN)

Application

EP 05006628 A 20050324

Priority

- JP 2004093593 A 20040326
- JP 2005008257 A 20050114

Abstract (en)

The invention provides a photothermographic material including, on at least one side of a support, an image forming layer containing at least a photosensitive silver halide, a non-photosensitive organic silver salt, a reducing agent, and a binder, wherein: the photosensitive silver halide has an average silver iodide content of 40 mol% or higher, and at least 50% of a projected area of total grains of the photosensitive silver halide is occupied by tabular grains having an aspect ratio of 2 or more; and 50% by weight or more of the binder is formed by a polymer latex containing the following monomer component from 10% by weight to 70% by weight: Formula (M) $\text{CH}_2=\text{CR}_{<01>}-\text{CR}_{<02>}=\text{CH}_2$ wherein $\text{R}_{<01>}$ and $\text{R}_{<02>}$ each independently represent one selected from a hydrogen atom, an alkyl group having 1 to 6 carbon atoms, a halogen atom, and a cyano group, provided that both of $\text{R}_{<01>}$ and $\text{R}_{<02>}$ are not hydrogen atoms simultaneously. <?>The invention provides a photothermographic material and an image forming method utilizing the same which give an image with little haze, high image quality, and excellent pressure resistance.

IPC 1-7

G03C 1/498; **G03C 5/17**

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CPC (source: EP)

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1. **G03C 1/49836** + **G03C 1/061**
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- [A] US 2003232288 A1 20031218 - OKA YUTAKA [JP], et al
- [A] US 2003235795 A1 20031225 - NAKAGAWA HAJIME [JP], et al
- [A] US 6300044 B1 20011009 - UYTTERHOEVEN HERMAN [BE], et al

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