

Title (en)
IMAGE RECORDING METHOD

Title (de)
VERFAHREN ZUR BILDAUFNAHME

Title (fr)
PROCEDE D'ENREGISTREMENT D'IMAGE

Publication
EP 0560990 B1 19970528 (EN)

Application
EP 92920902 A 19921002

Priority
• JP 9201282 W 19921002
• JP 28192291 A 19911003

Abstract (en)
[origin: WO9307542A1] An electrostatic latent image is formed on a substrate (photosensitive member) by a Carlson process, etc, and is developed by a solid developing agent prepared by dispersing colorant particles in a dispersion medium which remains solid at normal temperature and repeats reversibly change phases above and below its melting point. Then, the substrate and a transfer member are brought into pressure contact and heated, and this pressure contact heating temperature is raised above the melting point of the dispersion medium to melt the latter. Subsequently, the dispersion medium is cooled to a temperature below the melting point and the transfer member is peeled to transfer the developed image to the transfer member. Alternatively, the pressure contact heating temperature is set to a temperature not exceeding the melting point to soften the dispersion medium, and then the transfer member is peeled to transfer the developed image to the latter. A resin layer having compatibility with the dispersion medium of the developing agent is formed on the surface of recording paper.

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G03G 15/16; **G03G 13/24**; **G03G 15/24**

IPC 8 full level
G03G 13/16 (2006.01); **G03G 15/16** (2006.01)

CPC (source: EP)
G03G 13/16 (2013.01); **G03G 15/167** (2013.01)

Citation (examination)
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Cited by
US6652903B2

Designated contracting state (EPC)
DE FR GB

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WO 9307542 A1 19930415; DE 69220031 D1 19970703; DE 69220031 T2 19970904; EP 0560990 A1 19930922; EP 0560990 A4 19940727; EP 0560990 B1 19970528

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