

Title (en)
process for making letterpress plate by engraving using coherent electromagnetic radiation, and printing plate prepared therewith

Title (de)
Verfahren zur Herstellung von Hochdruckplatten durch Gravur-Aufzeichnung mittels kohärenter elektromagnetischer Strahlung und damit hergestellte Druckplatte

Title (fr)
Procédé de fabrication d'une plaque d'impression en relief par gravure utilisant des rayons actiniques cohérents et plaque d'impression préparé l'utilisant

Publication
EP 0982124 B1 20040421 (DE)

Application
EP 99116468 A 19990821

Priority
DE 19838315 A 19980824

Abstract (en)
[origin: JP2000168253A] PROBLEM TO BE SOLVED: To improve the resolution of a material for gravure recording by constituting a polymeric binder contained in a crosslinkable layer of polyvinyl alcohol of which the hydrolysis degree is set at % of a specified range and/or a structural unit represented by a specified formula, and setting the ceiling temperature of a polymeric filler at less than a specified numeral value. SOLUTION: A crosslinkable layer which is formed on a substrate, and constitutes a material to record a gravure by CO2 laser as a coherent electromagnetic radiation, is made to contain at least one kind of a polymeric binder constituted of at least one kind of an ethylene based unsaturated compound, a polymerization starter, and polyvinyl alcohol of which the hydrolysis degree is 50-99%, and/or a at least one kind of a copolymer having a structural unit represented by a specified structural formula of a specific proportion. In addition, by containing a polymeric filler having a ceiling temperature which is less than 800K, especially less than 600K (polystyrene, polymethylmethacrylate or polyvinyl chloride or the like), a material which is extremely optimum for a typographic printing plate enabling laser gravure can be obtained.

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