

Title (en)

A METHOD OF PRINTING ON OPTICAL DISCS

Title (de)

VERFAHREN ZUM DRUCKEN AUF OPTISCHEN PLATTEN

Title (fr)

PROCÉDÉ D'IMPRESSION SUR DISQUES OPTIQUES

Publication

**EP 2024973 A2 20090218 (EN)**

Application

**EP 07761808 A 20070503**

Priority

- US 2007068122 W 20070503
- GB 0608948 A 20060505

Abstract (en)

[origin: GB2437714A] A composition comprising a prepolymer, at least one monomer, a photoinitiator and a levelling additive, the composition being free from any surface-modifying additives that would interfere with printability and the cured composition being water-insoluble and non-absorbing to water, is applied to one side of an optical disc and is then radiation-cured e.g. with UV or electron beam. The levelling additive may be a polymeric acrylate, a mineral oil blend, a low temperature wax dispersion or a paraffinic wax dispersion which is free of silicone. The prepolymer may be an epoxy acrylate, an acrylated oil, a urethane acrylate, a polyester acrylate, a polyether acrylate, an acrylated amine, an acrylic saturated resin, an acrylic acrylate, a cycloaliphatic epoxide, a phenol epoxy novolac or an acrylated epoxidised soya bean oil. The monomer may be an acrylate, methacrylate, a vinyl compound, or a compound capable of polymerising by a ring-opening mechanism. The resulting coated surface is durable and receptive to printing using a radiation-curable ink jet ink.

IPC 8 full level

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CPC (source: EP GB US)

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Citation (search report)

See references of WO 2007131098A2

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