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(54) Lightfastness improvements of inkjet print media through the addition of photoinitiators

(57) A small amount of photoinitiator in a coating on glossy print media tends to improve lightfastness by about 5 to 20%. The photoinitiator is included in the coating in the range of about 0.001 to 0.01 wt%, resulting in a concentration after drying the coating of about 0.008 to 0.08 wt%, based on a total solids content of 12 wt%. Specifically, a print medium is provided having at least one coating thereon, including an ink-jet receptive coating. At least the inkjet receptive coating contains the photoinitiator. Further, a method is provided for improving lightfastness in coated print media provided with the inkjet receptive coating. The method comprises: (a) formulating at least one coating so as to contain the photoinitiator, wherein at least one such coating comprises the inkjet receptive coating; and (b) coating the print media with the coating(s), wherein the coated print medium is adapted to receive at least one inkjet ink thereon. The magnitude of the improvement varies by formulation, but there is always some improvement over the same system without the photoinitiator.

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EUROPEAN SEARCH REPORT

Application Number
EP 01 30 8011

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
MUNICH	13 November 2003	Spyropoulou, E

CATEGORY OF CITED DOCUMENTS

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