

Title (en)
INK-JET PRINTING MEDIA

Title (de)
TINTENSTRAHLDRUCKMEDIUM

Title (fr)
SUPPORT D'IMPRESSION A JETS D'ENCRE

Publication
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Application
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Abstract (en)
[origin: WO9722476A2] A printing medium which may be ink jet printed to provide images of improved quality comprises a substrate having at least one surface, and a substantially nonporous coating on the surface wherein the coating comprises transparent, colorless alumina monohydroxide and water-soluble organic polymer, and wherein the water-soluble organic polymer comprises water-soluble cellulosic organic polymer and water-soluble noncellulosic organic polymer. A printing medium which may be ink jet printed eliminates or reduces coalescence of a wide variety of ink jet printing inks and often provides fast drying times. This embodiment comprises: (a) a substrate having at least one surface; and (b) a coating on the surface wherein the coating comprises: (1) a binder comprising organic polymer, wherein poly(ethylene oxide) having a weight average molecular weight in the range of from 100,000 to 3,000,000 constitutes at least 20 percent by weight of the organic polymer; and (2) discrete particles dispersed in the binder, which particles have a number average particle size in the range of from 1 to 500 nanometers.

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