

Title (en)
THERMALLY-CONVERTIBLE LITHOGRAPHIC PRINTING PRECURSOR AND IMAGEABLE MEDIUM WITH COALESCENCE INHIBITOR

Title (de)
THERMISCH UMWANDELBARER FLACHDRUCKPLATTENVORLÄUFER UND ABBILDUNGSMEDIUM MIT EINEM KOALESZENZINHIBITOR

Title (fr)
PRECURSEUR D'IMPRESSION LITHOGRAPHIQUE CONVERTIBLE EN CHALEUR ET SUPPORT IMAGEABLE CONTENANT UN INHIBITEUR DE COALESCENCE

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- US 90979201 A 20010723
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Abstract (en)
[origin: WO03010006A1] A lithographic printing precursor for lithographic offset printing comprises , a layer of imageable medium on a hydrophilic base. The imageable medium comprises hydrophobic polymer particles in an aqueous medium, a substance for converting light into heat, and a coalescence inhibitor. The lithographic printing precursor may be used to make lithographic printing surfaces that obtain long run lengths on lower quality paper and in the presence of press-room chemicals. The lithographic printing precursor can be imaged and developed on-press and the imageable medium can also be sprayed onto a hydrophilic surface to create a printing surface that may be processed wholly on-press. It can also be processed in the more conventional fully off-press fashion. The hydrophilic surface can be a printing plate substrate or the printing cylinder of a printing press or a sleeve around the printing cylinder of a printing press. The cylinder can be conventional or seamless.

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