

Title (en)

Variable Data Lithography System for Applying Multi-Component Images and Systems Therefor

Title (de)

Lithographiesystem mit variablen Daten zur Anwendung von Mehrkomponentenbildern und Systeme dafür

Title (fr)

Système de lithographie de données variables permettant d'appliquer des images à plusieurs composants et systèmes associés

Publication

EP 2574459 A2 20130403 (EN)

Application

EP 12178607 A 20120731

Priority

US 201113204567 A 20110805

Abstract (en)

A reimageable layer (20) of an imaging member is provided with a dampening fluid layer (32). The reimageable layer (20) has specific properties such as composition, surface profile, and so on so as to be well suited for receipt and carrying the dampening fluid layer. An optical patterning subsystem such as a scanned modulated laser patterns the dampening fluid layer. Ink having a first set of properties such as color, composition, etc., is applied at an inking subsystem such that it selectively resides in voids formed by the patterning subsystem in the dampening fluid layer to thereby form an inked latent image. The inked latent image is then transferred to a substrate, and the reimageable surface cleaned. The process is repeated for a second ink having properties different than the first. Each ink image may successively be applied to the substrate, or a composite image may be formed then applied to the substrate.

IPC 8 full level

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Cited by

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BA ME

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