

Title (en)

Printing plate and printing unit of a printing press

Title (de)

Druckform sowie Druckwerk einer Druckmaschine

Title (fr)

Plaque d'impression et unité d'impression d'une presse

Publication

EP 1837175 B1 20081015 (DE)

Application

EP 07005580 A 20070319

Priority

DE 102006013637 A 20060322

Abstract (en)

[origin: EP1837175A1] The plate (10) has an inner carrier layer (11) provided for mechanical stabilization, and an outer dielectric functional layer (12) for transferring printing ink. Conductive laminar units (13) are arranged between the carrier layer and the dielectric functional layer, where the units are designed as electrodes. Electric voltages are applied at the laminar units for changing surface energy of the dielectric functional layer such that colored and non colored ink guided sections are formed at the dielectric function layer depending on the voltages applied at the laminar units.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

EP 1837175 A1 20070926; **EP 1837175 B1 20081015**; CN 101041309 A 20070926; DE 102006013637 A1 20071004; DE 502007000162 D1 20081127; JP 2007253621 A 20071004; US 2007221080 A1 20070927

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EP 07005580 A 20070319; CN 200710088289 A 20070322; DE 102006013637 A 20060322; DE 502007000162 T 20070319; JP 2007067187 A 20070315; US 68939807 A 20070321