

Title (en)

Controlled imaging formation and erasure on a metallic titanium printing form

Title (de)

Gesteuerte Bebilderung und Löschung einer Druckform aus metallischem Titan

Title (fr)

Formation et effacement d'un image d'une façon contrôlée sur une forme d'impression en titane métallique

Publication

EP 1151857 A2 20011107 (DE)

Application

EP 01109311 A 20010412

Priority

DE 10021451 A 20000503

Abstract (en)

The method involves providing a re-writable printing form (50) with a printing surface containing metallic titanium, producing an image on the printing surface by selective pointwise energy input and clearing the image after printing by applying energy over an area. The printing surface can be formed on a bearer that can be of aluminum, another metal or plastic or the form can be entirely made of titanium. Independent claims are also included for the following: a re-usable printing form, a printer mechanism and a print machine.

Abstract (de)

Eine mehrfach verwendbare Druckform weist eine Druckfläche auf, die mit einer metallischen Titanschicht versehen ist. Zum Bebildern wird die Druckform durch gesteuerte Energiezufuhr selektiv punktweise hydrophiliert. Nach dem Drucken kann das Bild auf der Druckform durch Wärmezufuhr gelöscht werden. <IMAGE>

IPC 1-7

B41C 1/10; **B41N 3/00**

IPC 8 full level

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CPC (source: EP US)

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