

Title (en)
Erasable printing forms

Title (de)
Löschbare Druckform

Title (fr)
Formes d'impression effaçables

Publication
EP 0594097 B1 19970618 (DE)

Application
EP 93116766 A 19931018

Priority
DE 4235242 A 19921020

Abstract (en)
[origin: JPH06191004A] PURPOSE: To provide an erasable printing plate capable of being made reusable in an offset printing method.
CONSTITUTION: A strong minute dipole is provided in the outside layer of a printing plate having a hydrophobic surface and a coating material suitable for an image is applied to the surface thereof and a non-image area is succeedingly made hydrophilic by a hydrophilizing agent. By this constitution, the hydrophilicity of the area made hydrophilic is still held even after the number of rotations exceeding 10,000 of a cylinder and the peel of the material applied in order to mask the image area absorbing a color does not change a printed image during a printing process because the fundamental material of the printing plate exposed at a time of peel is hydrophobic.

IPC 1-7
B41C 1/10; **B41N 1/14**

IPC 8 full level
B41C 1/10 (2006.01); **B41N 1/00** (2006.01); **B41N 1/14** (2006.01)

CPC (source: EP US)
B41C 1/1058 (2013.01 - EP US); **B41N 1/006** (2013.01 - EP US)

Cited by
EP0693371A1; DE10125257A1; DE10125257B4; US5816161A; US6016750A; US6125756A

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CH DE FR GB IT LI NL SE

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DE 4235242 C1 19931111; CA 2108862 A1 19940421; CA 2108862 C 19981208; DE 59306781 D1 19970724; EP 0594097 A1 19940427; EP 0594097 B1 19970618; JP H06191004 A 19940712; US 5454318 A 19951003; US 5555809 A 19960917

DOCDB simple family (application)
DE 4235242 A 19921020; CA 2108862 A 19931020; DE 59306781 T 19931018; EP 93116766 A 19931018; JP 26231793 A 19931020; US 13952793 A 19931020; US 46513295 A 19950605