

Title (en)

LASER-IMAGEABLE RECORDING MATERIAL AND PRINTING PLATE PRODUCED THEREFROM FOR WATERLESS OFFSET PRINTING

Title (de)

LASERBEDILDERBARES AUFZEICHNUNGSMATERIAL UND DARAUS HERGESTELLTE DRUCKPLATTE FÜR WASSERLOSEN OFFSETDRUCK

Title (fr)

MATERIAU D'ENREGISTREMENT A IMAGE LASER ET PLAQUE OBTENUE A PARTIR DE CE MATERIAU POUR IMPRESSION OFFSET SANS EAU

Publication

EP 0952926 B1 20020123 (EN)

Application

EP 98904059 A 19980108

Priority

- EP 98904059 A 19980108
- EP 9800146 W 19980108
- EP 97200144 A 19970117

Abstract (en)

[origin: WO9831550A1] The invention relates to a recording material having a plate- or sheet-like substrate, at least one IR-absorbing layer, which comprises at least one IR-absorbing component and at least one polymeric, organic binder and decomposes under the action of IR laser radiation or changes so that its adhesion to the silicone top layer decreases, and a top layer comprising a cured silicone rubber. The substrate comprises an oxidizable metal or one of its alloys and, at least on the side facing the IR-absorbing layer, is roughened and is covered with a layer of an oxide of the metal. The invention also relates to a process for the production of a waterless offset printing plate and to the printing plate itself which is produced from the recording material according to the invention and in which the hydrophilic surface of the oxide layer is ink-carrying and the oleophobic top layer is ink-repellent.

IPC 1-7

B41M 5/36; **B41C 1/10**

IPC 8 full level

B41M 5/26 (2006.01); **B41C 1/10** (2006.01); **B41M 5/36** (2006.01); **B41N 1/00** (2006.01); **B41N 1/14** (2006.01)

CPC (source: EP)

B41C 1/1033 (2013.01); **B41N 1/003** (2013.01); **B41C 2210/16** (2016.10)

Cited by

EP3170663A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

WO 9831550 A1 19980723; DE 69803545 D1 20020314; DE 69803545 T2 20020808; EP 0952926 A1 19991103; EP 0952926 B1 20020123; JP 2001508001 A 20010619

DOCDB simple family (application)

EP 9800146 W 19980108; DE 69803545 T 19980108; EP 98904059 A 19980108; JP 53230498 A 19980108