

Title (en)
Reusable printing plate

Title (de)
Wiederverwendbare Druckform

Title (fr)
Plaque d'impression réutilisable

Publication
EP 1375136 B1 20080213 (DE)

Application
EP 03011112 A 20030522

Priority
DE 10227054 A 20020617

Abstract (en)
[origin: EP1375136A1] A reusable printing form comprises a printing area having a metal oxide surface that is treated with amphiphilic organic compound having a polar region with an acidic character. Independent claims are also included for: (a) a printing unit or printing machine having at least reusable printing form; (b) a method for imaging a reusable printing form comprising producing an image on the printing area by selectively inputting energy on a dot-by-dot basis, and erasing the image through large-surface input of energy subsequent to printing on a printing substrate; and (c) a method for creating an imageable printing area comprising treating the metal oxide surface with amphiphilic organic compound(s) having a polar region with an acidic character.

IPC 8 full level
B41C 1/10 (2006.01); **G03F 7/004** (2006.01); **B41N 1/00** (2006.01); **B41N 1/14** (2006.01); **B41N 3/00** (2006.01); **G03F 7/00** (2006.01)

CPC (source: EP)
B41C 1/1008 (2013.01); **B41C 1/1041** (2013.01); **B41N 1/006** (2013.01); **B41N 3/006** (2013.01)

Cited by
CN102202887A; CN101332698A; EP1700709A3; US8256346B2; US8798104B2; DE102007041378A1; DE102012021983A1; US8256347B2; WO2010017068A3; WO2010029342A1; US8807029B2; US9545785B2; US9586392B2; US9956756B2

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