

Title (en)

A method for making positive working printing plates

Title (de)

Verfahren zur Herstellung positiv arbeitender Druckplatten

Title (fr)

Procédé de fabrication de plaques d'impression travaillant en positif

Publication

EP 1025991 A1 20000809 (EN)

Application

EP 99200291 A 19990202

Priority

EP 99200291 A 19990202

Abstract (en)

According to the present invention there is provided a method for the preparation of a lithographic printing plate comprising the steps of exposing with IR light an imaging element comprising on a lithographic base with a hydrophilic surface a first layer including a polymer, soluble in an aqueous alkaline solution and a top layer on the same side of the lithographic base as the first layer which top layer is IR-sensitive and unpenetratable for or insoluble in an alkaline developer wherein said first layer and said top layer may be one and the same layer, said imaging element comprising a siloxane surfactant; developing said exposed imaging element with an alkaline solution; rinsing said developed imaging element with water or an aqueous solution; gumming said developed imaging element with a baking gum solution; subjecting said gummed imaging element to a thermal treatment at a temperature above 50 DEG C; characterized in that said rinsing is carried out with a brushing and/or with water containing a surfactant.

IPC 1-7

B41C 1/10

IPC 8 full level

B41C 1/10 (2006.01); **B41N 3/06** (2006.01); **G03F 7/00** (2006.01); **G03F 7/039** (2006.01); **G03F 7/30** (2006.01)

CPC (source: EP)

B41C 1/1016 (2013.01); **B41N 3/06** (2013.01); **B41C 2210/02** (2013.01); **B41C 2210/04** (2013.01); **B41C 2210/06** (2013.01); **B41C 2210/14** (2013.01); **B41C 2210/22** (2013.01); **B41C 2210/24** (2013.01); **B41C 2210/262** (2013.01)

Citation (search report)

- [A] EP 0864420 A1 19980916 - AGFA GEVAERT NV [BE]
- [A] EP 0514556 A1 19921125 - NIKKEN CHEMICAL LAB [JP]
- [A] US 4291117 A 19810922 - OHISHI CHIKASHI, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 097, no. 010 31 October 1997 (1997-10-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 506 (M - 1044) 6 November 1990 (1990-11-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 231 (P - 723) 30 June 1988 (1988-06-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 201 (P - 590) 30 June 1987 (1987-06-30)

Cited by

EP1342568A1; EP1584470A3; EP1241003A3; CN106796400A; WO2007030614A1; US7316891B2; US7767382B2; WO03080340A1; US7987785B2; US7987786B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1025991 A1 20000809; EP 1025991 B1 20030723; DE 69909733 D1 20030828; DE 69909733 T2 20040415; JP 2000221670 A 20000811

DOCDB simple family (application)

EP 99200291 A 19990202; DE 69909733 T 19990202; JP 2000021300 A 20000131