

Title (en)

Method of plate-making a planographic printing plate

Title (de)

Verfahren zur Herstellung einer Flachdruck- Originalplatte

Title (fr)

Procédé de fabrication d'une plaque d'impression planographique

Publication

EP 1120246 B2 20160907 (EN)

Application

EP 01101643 A 20010126

Priority

JP 2000018379 A 20000127

Abstract (en)

[origin: EP1120246A2] A positive type planographic printing original plate which enables direct plate-making using a solid or semiconductor laser emitting infrared rays by recording an image from digital data of computers, is highly sensitive to an infrared laser and has stability to developing treatment, and a method of plate-making a positive type planographic printing plate which is resistant to occurrence of flaw inferences. The planographic printing original plate includes a first layer which contains a polymer that is insoluble in water and soluble in alkaline water, and a second layer which contains an infrared radiation absorber and a binder, which is not penetrative into an alkali developing solution containing an organic compound having a buffering effect and a base as principal components, and which is increased in solubility in an alkali developing solution by action of one of light and heat. The layers are sequentially provided on a support.

IPC 8 full level

B41C 1/10 (2006.01); **G03F 7/11** (2006.01); **B41C 1/055** (2006.01); **B41N 1/14** (2006.01); **G03F 7/00** (2006.01); **G03F 7/32** (2006.01)

CPC (source: EP)

B41C 1/1033 (2013.01); **B41N 1/14** (2013.01)

Citation (opposition)

Opponent :

- EP 0909657 A2 19990421 - FUJI PHOTO FILM CO LTD [JP]
- EP 0716347 A1 19960612 - FUJI PHOTO FILM CO LTD [JP]
- JP H07299634 A 19951114 - HITACHI TOOL

Cited by

EP1346843A1; EP1338415A3; US6391519B1; US2012266768A1; US9738064B2; US2018236759A1; US8216771B2; WO2013034474A1; EP1738902A1; WO2007064527A1; WO2004094144A1; EP3778253A1; WO2021028385A1; EP3637188A1; WO2020074258A1; EP2065211A1; US7247418B2; US8110338B2; US8889340B2; EP2159049A1; US8304166B2; US8978554B2; EP2098376A1; EP2106924A1; WO2007099053A1; EP2944657A1; US6919166B2; WO2014106554A1; EP2933278A1; EP3170662A1; WO2017085002A1; US7678533B2; US7229744B2; US8192918B2; EP3032334A1; EP1985445A1; EP2955198A1; EP2963496A1; WO2015189092A1; WO2016001023A1; EP4382306A1; WO2024120763A1; EP3130465A1; WO2017157579A1; WO2017157572A1; WO2017157578A1; WO2017157571A1; WO2017157576A1; WO2017157575A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1120246 A2 20010801; **EP 1120246 A3 20010816**; **EP 1120246 B1 20061227**; **EP 1120246 B2 20160907**; AT E349319 T1 20070115; DE 60125432 D1 20070208; DE 60125432 T2 20071011; DE 60125432 T3 20170112; JP 2001209172 A 20010803

DOCDB simple family (application)

EP 01101643 A 20010126; AT 01101643 T 20010126; DE 60125432 T 20010126; JP 2000018379 A 20000127