

Title (en)  
Planographic printing original plate and method of plate-making a planographic printing plate

Title (de)  
Flachdruck- Originalplatte und Verfahren zur deren Herstellung

Title (fr)  
Plaque d'impression planographique et son procédé de fabrication

Publication  
**EP 1120246 A3 20010816 (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 in inferior. 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 1-7  
**B41C 1/10**

IPC 8 full level  
**G03F 7/11** (2006.01); **B41C 1/055** (2006.01); **B41C 1/10** (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 (search report)  
• [X] EP 0949539 A2 19991013 - FUJI PHOTO FILM CO LTD [JP]  
• [X] EP 0965887 A1 19991222 - FUJI PHOTO FILM CO LTD [JP]

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