

Title (en)

Photosensitive lithographic printing plate precursor

Title (de)

Photoempfindlicher Flachdruckplattenvorläufer

Title (fr)

Précurseur photosensible de plaque d'impression lithographique

Publication

EP 1407894 A2 20040414 (EN)

Application

EP 03022901 A 20031009

Priority

JP 2002296404 A 20021009

Abstract (en)

A photosensitive lithographic printing plate precursor comprising an aluminum support having provided thereon an intermediate layer and a photopolymerizable photosensitive layer in this order, wherein the intermediate layer comprises a copolymer containing a constituting component having an acid group and a constituting component capable of reacting with an alkali developing solution to increase the dissolution rate in the alkali developing solution.

A photosensitive lithographic printing plate precursor comprises an aluminum support having an intermediate layer and a photopolymerizable photosensitive layer. The intermediate layer comprises a copolymer containing a constituting component having an acid group and a constituting component capable of reacting with an alkali developing solution to increase the dissolution rate in the alkali developing solution.

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IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- DE 1621478 A1 19710429 - KALLE AG
- DE 1091433 B 19601020 - MINNESOTA MINING & MFG
- US 3511661 A 19700512 - RAUNER FREDERICK J, et al
- JP S56107238 A 19810826 - KONISHIROKU PHOTO IND
- JP S575042 A 19820111 - MINNESOTA MINING & MFG
- JP H08248643 A 19960927 - FUJI PHOTO FILM CO LTD
- JP H1165129 A 19990305 - MITSUBISHI CHEM CORP
- JP 2000081711 A 20000321 - FUJI PHOTO FILM CO LTD

Cited by

CN113122843A

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EP 1407894 A2 20040414; **EP 1407894 A3 20060315**; **EP 1407894 B1 20080305**; AT E388023 T1 20080315; DE 60319484 D1 20080417; DE 60319484 T2 20090319; JP 2004133125 A 20040430

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