

Title (en)

A method for making a lithographic printing plate involving development by plain water

Title (de)

Verfahren zur Herstellung einer lithographischen Druckplatte mit Wasser als Entwickler

Title (fr)

Procédé pour la fabrication d'une plaque lithographique avec développement à l'eau

Publication

EP 0770497 A1 19970502 (EN)

Application

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Abstract (en)

The present invention provides a method for making a lithographic printing plate comprising the steps of: (1) image-wise exposing to light an imaging element comprising (i) on a hydrophilic surface of a lithographic base an image forming layer comprising hydrophobic thermoplastic polymer particles dispersed in a hydrophilic binder and (ii) a compound capable of converting light to heat, said compound being comprised in said image forming layer or a layer adjacent thereto; (2) and developing a thus obtained image-wise exposed imaging element by rinsing it with plain water or an aqueous liquid.

IPC 1-7

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Citation (search report)

- [XY] FR 1561957 A 19690404
- [Y] US 3580719 A 19710525 - BRINCKMAN ERIC MARIA
- [Y] WO 9418005 A1 19940818 - AGFA GEVAERT NV [BE], et al
- [A] EP 0580393 A2 19940126 - PRESSTEK INC [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 006, no. 196 (M - 161) 5 October 1982 (1982-10-05)

Cited by

EP0932080A1; EP1093015A1; EP1243413A1; EP1228865A3; EP0931647A1; US6820552B2; EP1243410A1; US6124425A; EP1586448A1; EP1342568A1; EP1584470A3; US6080523A; US6001536A; DE19840927B4; US6641976B2; EP2871057A1; WO2015067581A1; US8133657B2; EP2095948A1; US7767382B2; EP1253008A2; US7348126B2; US6461804B1; US8445179B2; US8778590B2; US8216769B2; EP2072570A1; EP2098376A1; EP2106924A1; US7425405B2; US6884563B2; EP1356926A1; EP2284005A1; EP1834764A1; US7318995B2; US6511782B1; WO2011051112A1; US6177182B1; EP2243628A1; WO2010122042A1; US8685622B2; US8455177B2; EP3239184A1; WO2017186556A1; EP3715140A1; WO2020200905A1; US7195861B2; US7354696B2; EP3032334A1; WO2017157579A1; WO2017157572A1; WO2017157578A1; WO2017157571A1; WO2017157576A1; WO2017157575A1; US7316891B2; US8419923B2; US8468942B2; EP3637188A1; WO2020074258A1; EP2065211A1; EP1972461A1; US6939663B2; EP2293144A1; WO2011026907A1; EP3441223A1; WO2019029945A1; US11376836B2

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