

Title (en)

A method for making a lithographic printing plate involving on press development

Title (de)

Verfahren zur Herstellung einer lithographischen Druckplatte mit auf der Druckpresse stattfindenden Entwicklung

Title (fr)

Procédé pour la fabrication d'une plaque lithographique avec développement sur presse

Publication

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Application

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Abstract (en)

The present invention provides a method for making a lithographic printing plate comprising the steps of: (1) mounting an imaging element comprising (i) on a hydrophilic surface of a lithographic base an image forming layer comprising hydrophobic thermoplastic polymer particles capable of coalescing under the influence of heat and 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 on a print cylinder of a printing press; (2) image-wise exposing said imaging element by means of a laser or LED; (3) and developing a thus obtained image-wise exposed imaging element by supplying an aqueous dampening liquid and/or ink to said image forming layer while rotating said print cylinder.

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Citation (search report)

- [X] EP 0580393 A2 19940126 - PRESSTEK INC [US]
- [X] WO 9002044 A2 19900308 - PRESSTEK INC [US]
- [Y] FR 1561957 A 19690404
- [Y] WO 9418005 A1 19940818 - AGFA GEVAERT NV [BE], et al
- [A] US 4034183 A 19770705 - UHLIG FRITZ
- [A] US 4063949 A 19771220 - UHLIG FRITZ, et al
- [A] DE 3438882 A1 19860424 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] FR 2683766 A1 19930521 - HEIDELBERGER DRUCKMASCH AG [DE]
- [PX] EP 0689096 A1 19951227 - EASTMAN KODAK CO [US]

Cited by

US7205094B2; EP1118471A1; US6479216B1; US6022667A; EP1118470A1; EP1547769A3; EP0931647A1; US6749993B2; EP1188579A1; US6485889B1; US6357353B1; EP1108533A1; US6124425A; EP1228871A1; US6550387B1; US6352028B1; EP1048458A1; EP1228865A3; EP1036656A1; EP0881096A1; EP1291171A3; EP2095948A1; WO2006029677A1; EP1232859A1; EP1321309A2; US6884563B2; US6484638B2; EP2871057A1; WO2015067581A1; EP1604818A1; US6460458B2; US8133657B2; US8216769B2; WO2009030279A1; EP2072570A1; US6596462B2; US6177182B1; EP2243628A1; WO2010122042A1; US8221960B2; US8685622B2; US8455177B2; EP3239184A1; WO2017186556A1; US9822206B2; EP3715140A1; WO2020200905A1; EP2098376A1; EP2106924A1; US7425405B2; US6818373B2; EP1892576B1; EP1900766A1; EP2316873A1; US8419923B2; US8468942B2; EP3637188A1; WO2020074258A1; EP2065211A1; WO2007131336A1; US7348126B2; US7723010B2; US7910768B2; US8021827B2; US8323867B2; US8445179B2; US8778590B2; EP1834764A1; US7140297B2; EP1243433A1; US6551757B1; US6802258B2; US6511782B1; WO2011051112A1; US9482944B2; US6190828B1; EP2316874A1; EP2316875A1; WO2017157579A1; WO2017157572A1; WO2017157578A1; WO2017157571A1; WO2017157576A1; WO2017157575A1; US7195861B2; US7354696B2; EP1232858A1; WO2011050442A1; US8932398B2; EP3032334A1; EP1961789A1; EP3441223A1; WO2019029945A1; US11376836B2

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