

Title (en)
LITHOGRAPHIC PRINTING PLATE PRECURSOR, METHOD OF PREPARING A LITHOGRAPHIC PRINTING PLATE, AND LITHOGRAPHIC PRINTING METHOD

Title (de)
LITHOGRAFIEDRUCKPLATTENVORLÄUFER, VERFAHREN ZUR HERSTELLUNG EINER LITHOGRAFIEDRUCKPLATTE UND LITHOGRAFIEDRUCKVERFAHREN

Title (fr)
PRÉCURSEUR DE PLAQUE D'IMPRESSION LITHOGRAPHIQUE, PROCÉDÉ DE PRÉPARATION DE PLAQUE D'IMPRESSION LITHOGRAPHIQUE ET PROCÉDÉ D'IMPRESSION LITHOGRAPHIQUE

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Application
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Abstract (en)
Provided are a lithographic printing plate precursor having excellent crystal precipitation suppressiveness, and a method of preparing a lithographic printing plate and a lithographic printing method in which the lithographic printing plate precursor is used. A lithographic printing plate precursor including a support and an image-recording layer on the support, in which the image-recording layer contains a non-onium-based polymerization initiator, a borate compound, an infrared absorber, and a compound A which is an onium salt with a cation having a shape index equal to or less than 2 times a shape index of a cationic moiety of the infrared absorber.

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Citation (applicant)

- WO 2021259637 A1 20211230 - AGFA OFFSET BV [BE]
- WO 2020262692 A1 20201230 - FUJIFILM CORP [JP]
- JP 2001133969 A 20010518 - FUJI PHOTO FILM CO LTD
- JP 2002023360 A 20020123 - FUJI PHOTO FILM CO LTD
- JP 2002040638 A 20020206 - FUJI PHOTO FILM CO LTD
- JP 2002278057 A 20020927 - FUJI PHOTO FILM CO LTD
- JP 2008195018 A 20080828 - FUJIFILM CORP
- JP 2007090850 A 20070412 - FUJIFILM CORP
- JP 2012206495 A 20121025 - FUJIFILM CORP
- JP H055005 A 19930114 - KYOWA HAKKO KOGYO KK
- JP H055005 A 19930114 - KYOWA HAKKO KOGYO KK
- JP 2001222101 A 20010817 - MITSUBISHI PAPER MILLS LTD
- JP 2008544322 A 20081204
- WO 2016027886 A1 20160225 - FUJIFILM CORP [JP]
- WO 2019219560 A1 20191121 - AGFA NV [BE]
- WO 2019013268 A1 20190117 - FUJIFILM CORP [JP]
- JP H09123387 A 19970513 - AGFA GEVAERT NV
- JP H09123387 A 19970513 - AGFA GEVAERT NV
- JP H09131850 A 19970520 - AGFA GEVAERT NV
- JP H09131850 A 19970520 - AGFA GEVAERT NV
- JP H09171249 A 19970630 - AGFA GEVAERT NV
- JP H09171249 A 19970630 - AGFA GEVAERT NV
- JP H09171250 A 19970630 - AGFA GEVAERT NV
- JP H09171250 A 19970630 - AGFA GEVAERT NV
- EP 0931647 B1 20030402 - AGFA GEVAERT [BE]
- JP 2001277740 A 20011010 - FUJI PHOTO FILM CO LTD
- JP 2001277742 A 20011010 - FUJI PHOTO FILM CO LTD
- JP 2008503365 A 20080207
- JP 2012148555 A 20120809 - FUJIFILM CORP
- JP 2008284817 A 20081127 - FUJIFILM CORP
- JP H0545885 A 19930226 - FUJI PHOTO FILM CO LTD
- JP H0545885 A 19930226 - FUJI PHOTO FILM CO LTD
- JP H0635174 A 19940210 - FUJI PHOTO FILM CO LTD
- JP H0635174 A 19940210 - FUJI PHOTO FILM CO LTD
- JP S5040047 B2 19751222
- JP S5040047 B2 19751222
- GB 1412768 A 19751105 - FUJI PHOTO FILM CO LTD
- JP 2005254638 A 20050922 - FUJI PHOTO FILM CO LTD
- US 2714066 A 19550726 - JEWETT CLIFFORD L, et al
- US 3181461 A 19650504 - FROMSON HOWARD A
- JP H10282679 A 19981023 - FUJI PHOTO FILM CO LTD
- JP H10282679 A 19981023 - FUJI PHOTO FILM CO LTD
- JP H02304441 A 19901218 - FUJI PHOTO FILM CO LTD
- JP H02304441 A 19901218 - FUJI PHOTO FILM CO LTD
- JP 2005238816 A 20050908 - FUJI PHOTO FILM CO LTD
- JP 2005125749 A 20050519 - FUJI PHOTO FILM CO LTD
- JP 2006239867 A 20060914 - FUJI PHOTO FILM CO LTD

- JP 2006215263 A 20060817 - FUJI PHOTO FILM CO LTD
- JP 2006188038 A 20060720 - FUJI PHOTO FILM CO LTD
- US 3458311 A 19690729 - ALLES FRANCIS PETER
- JP S5549729 B2 19801213
- JP S5549729 B2 19801213
- JP 2005250216 A 20050915 - FUJI PHOTO FILM CO LTD
- JP 2006259137 A 20060928 - FUJI PHOTO FILM CO LTD
- JP 2010076336 A 20100408 - FUJIFILM CORP

Citation (search report)

- [X] US 2007059637 A1 20070315 - NAMBA OSAMU [JP], et al
- [A] WO 2019179995 A1 20190926 - AGFA NV [BE]
- [A] EP 1769910 B1 20080702 - FUJIFILM CORP [JP]
- [A] EP 3875281 A1 20210908 - FUJIFILM CORP [JP]

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