

Title (en)

A heat sensitive element and a method for producing lithographic plates therewith

Title (de)

Wärmeempfindliches Aufzeichnungselement und Verfahren zur Herstellung von Flachdruckplatten damit

Title (fr)

Élément d'enregistrement thermosensible et procédé pour la fabrication de plaques lithographiques utilisant cet élément

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Application

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Abstract (en)

According to the present invention there is provided a heat sensitive imaging element comprising on a lithographic base with a hydrophilic surface an image forming layer including thermoplastic particles of a homopolymer or a copolymer of styrene and a hydrophilic polymer containing carboxyl groups, characterized in that said imaging element further contains an anionic IR-cyanine dye being present in said image forming layer or a layer adjacent thereto,

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IPC 8 full level

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Citation (search report)

- [YD] EP 0770497 A1 19970502 - AGFA GEVAERT NV [BE]
- [Y] EP 0636491 A1 19950201 - EASTMAN KODAK CO [US]
- [YD] EP 0770495 A1 19970502 - AGFA GEVAERT NV [BE]
- [A] EP 0694586 A1 19960131 - RIEDEL DE HAEN AG [DE]

Cited by

US6983694B2; EP1106347A1; US6805052B2; EP1304221A1; EP1080884A1; EP1226936A3; US6572986B2; CN113165410A; GB2348291A; GB2348291B; US6511782B1; US7371454B2; EP2610673A2; WO2015115598A1; WO2018159087A1; WO2019004471A1; EP3879346A1; US6949327B2; US6884563B2; EP2239138A2; WO2019064974A1; WO2021172453A1; EP1707397A1; WO2013129127A1; WO2019044483A1; WO2020067374A1; WO2021241518A1; EP1344644A2; US6576397B2; EP2354851A2; EP2423748A1; EP2471654A2; WO2013027590A1; EP2775351A1; WO2019021828A1; WO2020262685A1; EP2574460A2; WO2020026957A1; WO2020262691A1; WO2020262696A1; WO2021132665A1; WO2021241519A1; WO2021241638A1; WO2021256341A1; EP1630602A2; US6660449B2; EP2380737A1; EP2383612A1; WO2018092661A1; WO2019151361A1; EP2055476A2; EP2441783A1; WO2012165060A1; WO2015119089A1; EP3489026A1; EP2006091A2; US6550387B1; EP2568339A2; WO2014045783A1; WO2018159626A1; WO2019045084A1; WO2019150788A1; WO2022019217A1; EP3960456A1; EP4245542A1; EP1685957A2; EP1312473A2; EP1279518A2; WO2014050435A1; WO2014132721A1; WO2020262689A1; WO2023145971A1; EP1629977A2; EP2339400A2; WO2013125323A1; WO2013129126A1; WO2018221133A1; WO2023032681A1; WO2011040114A1; EP2565714A1; EP2690495A1; WO2019064696A1; EP3656576A1; WO2023032682A1; US6551757B1; EP2363748A1; WO2014202519A1; EP3346332A1; WO2018159640A1; WO2018221618A1; WO2018230412A1; WO2021241457A1; EP2048000A2; EP4360880A1; EP2100677A1; EP1621338A1; EP1637324A2; WO2010038795A1; EP2223804A2; WO2011037005A1; WO2012026265A1; WO2020026956A1; WO2021065279A1; WO2022181724A1; US7316891B2; WO2011118457A1; WO2012117882A1; WO2013145949A1; EP3001249A2; WO2020262692A1; WO2020262694A1; EP4349602A2; WO2006026229A1; WO2011118456A1; WO2013046877A1; WO2013046856A1; EP2644380A2; WO2014050359A1; WO2019151163A1; WO2020045586A1; WO2021241693A1; WO2022138880A1; WO2022163777A1; EP2082875A1; EP1625944A1; EP1552923A2; US6969541B2; EP2251195A1; EP2471655A2; EP3284599A1; WO2019013268A1; WO2020067373A1; WO2021065278A1; WO2021065152A1; WO2021241688A1; WO2022025068A1; WO2023032868A1; EP1712368A1; EP1281516A2; EP2492751A1; WO2014002835A1; WO2018221134A1; WO2019044566A1; WO2020090996A1; EP3838594A1; EP3854591A1; WO2021241458A1; EP4275910A2; EP1142707B2

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