

Title (en)
Lithographic printing plate precursor for newspaper printing and method for producing the same, and plate making method of lithographic printing plate

Title (de)
Lithographiedruckplattenvorläufer zum Drucken von Zeitungen und Verfahren zu seiner Herstellung sowie Plattenherstellungsverfahren für Lithographiedruckplatten

Title (fr)
Précurseur de plaque d'impression lithographique pour l'impression de journaux et son procédé de production et procédé de fabrication de plaque d'impression lithographique

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Application
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Abstract (en)
[origin: EP2735444A2] An object of the invention is to provide a lithographic printing plate precursor of on-press development type for newspaper printing which has good on-press development property at the edge portion thereof and is prevented from the occurrence of edge stain even when a large number of printings is performed, a method for producing the same, and a plate making method using the lithographic printing plate precursor and is directed to a lithographic printing plate precursor for newspaper printing including on a support, an image-recording layer which contains an infrared absorbing dye, a radical polymerization initiator, a radical polymerizable compound, a polymer compound having a polyoxyalkylene chain in its side chain and an anionic or nonionic surfactant and is capable of being developed with at least one of printing ink and dampening water on a cylinder of a printing machine, wherein the lithographic printing plate precursor has a shear droop in which a shear droop amount (X) is from 35 to 150 μm and a shear droop width (Y) is from 50 to 300 μm at an edge of the image-recording layer side, and a region within 1 cm from an edge surface of the lithographic printing plate precursor including the shear droop has been treated with a treating solution containing an anionic or nonionic surfactant, a method for producing the same, and a plate making method using the lithographic printing plate precursor.

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Cited by
CN106715139A; CN111867848A; WO2018102136A1; US10022998B2; US11560010B2; US10166755B2; CN106687300A; CN107206827A; EP3251868A4; EP3199367A4; EP3656576A1; US10099468B2; US10322597B2; US10759209B2

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