

Title (en)

Method of treating a support suitable for use in the base of a lithographic printing plate

Title (de)

Verfahren zur Behandlung eines Trägers und Verwendung des Trägers in einer lithographischen Druckplatte

Title (fr)

Procédé pour le traitement d'un support à utiliser comme base d'une plaque d'impression lithographique

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Application

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Priority

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Abstract (en)

The present invention provides a method for obtaining a base to be used as the base of a lithographic printing plate comprising on a hydrophobic support a hydrophilic layer contiguous to said support containing a non-gelatinous hydrophilic (co)polymer or (co)polymer mixture, characterized in that said hydrophobic support is treated with a plasma treatment with an applied power density during the plasma treatment of at least 70 W min/m² before applying to said support said hydrophilic layer.

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Citation (search report)

- [DYA] US 3971660 A 19760727 - STAEHLE HENRY C
- [A] US 4036136 A 19770719 - TAKAGI TOHRU
- [A] DE 3237359 A1 19830428 - FUJI PHOTO FILM CO LTD [JP]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 017, no. 251 (C - 1060) 19 May 1993 (1993-05-19) & DATABASE WPI Week 9306, 13 February 1991 Derwent World Patents Index; AN 93-049682

Cited by

EP1707397A1; WO03070463A1

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