

Title (en)

A method for lithographic printing by use of a lithographic printing plate provided by a heat sensitive non-ablatable wasteless imaging element and a fountain containing water-insoluble compounds

Title (de)

Flachdruckverfahren mittels einer Flachdruckplatte die mit einer rückstandsfreien wärmeempfindlichen ohne Materialabtrag arbeitenden Aufzeichnungsschicht beschichtet ist und Feuchtwasser mit einem Gehalt an wasserunlöslichen Komponenten

Title (fr)

Procédé pour l'impression lithographique utilisant une plaque lithographique sensible à la chaleur sans ablation de l'image et sans résidu et solution de mouillage contenant des composés insolubles dans l'eau

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Application

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Abstract (en)

According to the present invention there is provided a method for lithographic printing comprising the following steps: preparing a lithographic printing plate by image-wise laser exposing a heat-sensitive non-ablatable wasteless imaging element comprising a compound capable of transferring light into heat and having on a support as top layer a heat sensitive image forming layer comprising a heat-switchable binder which layer becomes more hydrophilic or more hydrophobic under the action of image-wise laser exposure; mounting said printing element on the press prior to or after the exposure; and applying a fountain solution and ink, characterized in that said fountain solution comprises at least one water insoluble compound selected from the group consisting of silica, alumina, titanium oxide, tin oxyde, china clay, smectic clay and zirconium oxide.

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CPC (source: EP)

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