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REEXAMINATION CERTIFICATE (3583rd)

United States Patent [19]

[11] **B1 Re. 35,512**

Nowak et al.

[45] **Certificate Issued *Aug. 4, 1998**

[54] **LITHOGRAPHIC PRINTING MEMBERS FOR USE WITH LASER-DISCHARGE IMAGING**

[52] **U.S. Cl.** 101/454; 101/457

[58] **Field of Search** 101/453, 454, 101/457, 458, 459, 463.1, 465, 466, 467, 401.1; 430/302-305

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[56] **References Cited**

U.S. PATENT DOCUMENTS

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Research Disclosure, Apr., 1980—Method and Material for the Production of a Dry Planographic Printing Plate.
Direct Method of Producing Waterless Offset Plates By Controlled Laser Beam. Nechiporenko and Markava, USSR Research Institute for Complex Problems in Graphic Arts (Moscow).
A Guide to Dow Corning Silane Coupling Agents, 1990.

Primary Examiner—Stephen R. Funk

[57] **ABSTRACT**

Lithographic printing plates suitable for imaging for means of laser devices that emit in the near-infrared region. Laser output either ablates one or more plate layers or physically transforms a surface layer, in either case resulting in an imagewise pattern of features on the plate. The image features exhibit an affinity for ink or an ink-adhesive fluid that differs from that of unexposed areas.

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[*] **Notice:** The portion of the term of this patent subsequent to Aug. 23, 2011, has been disclaimed.

Related U.S. Patent Documents

Reissue of:

[64] **Patent No.:** 5,379,698
Issued: Jan. 10, 1995
Appl. No.: 247,016
Filed: May 20, 1994

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 62,431, May 13, 1993, Pat. No. 5,339,737, which is a continuation-in-part of Ser. No. 917,481, Jun. 20, 1992, abandoned.

[51] **Int. Cl.⁶** B41N 1/08

