

Title (en)
METHODS AND APPARATUS FOR LASER CLEANING

Title (de)
VERFAHREN UND VORRICHTUNG ZUR LASERREINIGUNG

Title (fr)
PROCÉDÉS ET APPAREIL POUR NETTOYAGE AU LASER

Publication
EP 3094423 B1 20230607 (EN)

Application
EP 15701568 A 20150108

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Abstract (en)
[origin: WO2015107325A1] A method of cleaning a substrate (16, 24, 34, 64, 71, 82, 102, 165, 171, 181, 201, 300, 310) with optical energy can comprise applying optical energy from a source of optical energy (12, 21, 31, 91, 103, 114, 121, 131, 141, 151, 164, 191, 202) to the substrate. The method can comprise applying the optical energy to a substrate having a cleaning agent applied thereto, the optical energy having one or more optical parameters selected for cleaning the substrate. A cleaning appliance can comprise an appliance body (80, 90, 104, 125) comprising an aperture for emanating optical energy for cleaning the substrate and an optical transmission pathway arranged for propagating optical energy received from an optical energy source to said aperture. The appliance can be adapted and constructed for delivering a cleaning agent to the substrate. The cleaning appliance can include a suction pump (142) for removing material from the substrate.

IPC 8 full level
B08B 7/00 (2006.01)

CPC (source: EP)
B08B 7/0042 (2013.01)

Citation (examination)
BELLI R ET AL: "Laser cleaning of artificially aged textiles", APPLIED PHYSICS A; MATERIALS SCIENCE & PROCESSING, SPRINGER, BERLIN, DE, vol. 83, no. 4, 24 March 2006 (2006-03-24), pages 651 - 655, XP019424327, ISSN: 1432-0630, DOI: 10.1007/S00339-006-3530-3

Cited by
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