

Title (en)
NON-CONTACT SURFACE CHARACTERIZATION USING MODULATED ILLUMINATION

Title (de)
BERÜHRUNGSLOSE OBERFLÄCHENCHARAKTERISIERUNG MIT MODULIRTER BELEUCHTUNG

Title (fr)
CARACTÉRISATION DE SURFACE SANS CONTACT UTILISANT UN ÉCLAIRAGE MODULÉ

Publication
EP 2791618 A4 20150729 (EN)

Application
EP 11879165 A 20111212

Priority
US 2011064417 W 20111212

Abstract (en)
[origin: WO2013105922A2] Methods for forming a three-dimensional image of a test object include directing light to a surface of best-focus of an imaging optic, where the light has an intensity modulation in at least one direction in the surface of best-focus, scanning a test object relative to the imaging optic so that a surface of the measurement object passes through the surface of best-focus of the imaging optic as the test object is scanned, acquiring, for each of a series of positions of the test object during the scan, a single image of the measurement object using the imaging optic, in which the intensity modulation of the light in the surface of best-focus is different for successive images, and forming a three-dimensional image of the test object based on the acquired images.

IPC 8 full level
G01B 11/25 (2006.01); **G02B 27/22** (2006.01)

CPC (source: EP)
G01B 11/24 (2013.01); **G01B 11/2527** (2013.01)

Citation (search report)

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- [Y] US 2011287387 A1 20111124 - CHEN SHOUPI [US], et al
- [Y] US 2009103103 A1 20090423 - BERNER MARKUS [CH]
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- See references of WO 2013105922A2

Designated contracting state (EPC)
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