Title (en)

SYSTEM AND METHOD FOR IMPROVED HOLOGRAPHIC IMAGING

Title (de)

SYSTEM UND VERFAHREN ZUR VERBESSERTEN HOLOGRAPHISCHEN BILDGEBUNG

Title (fr)

SYSTEME ET PROCEDE D'IMAGERIE HOLOGRAPHIQUE AMELIOREE

Publication

EP 1924877 A2 20080528 (EN)

Application

EP 06789846 A 20060818

Priority

- US 2006032263 W 20060818
- US 70932805 P 20050818

Abstract (en)

[origin: WO2007022406A2] An method and system for improved holographic imaging system may comprise a source, one or more imaging system components, a beamsplitter, a spatial filter and a beam combiner. The source may be operable to produce a first beam of electromagnetic energy, and the one or more imaging system components may be operable to cause at least a portion of the first beam to interact with a target. The beamsplitter may be operable to separate the portion of the first beam interacting with the target into a reference beam and a target beam after the first beam has interacted with the target. The spatial filter may be operable to extract zero order image information from the reference beam and transmit the zero order image information as a zero order beam. The beam combiner may be operable to combine the zero order beam with the target beam to create a holographic image.

IPC 8 full level

G03H 1/04 (2006.01); **G02B 5/18** (2006.01); **G03H 1/00** (2006.01); **G03H 1/02** (2006.01)

CPC (source: EP)

G03H 1/0443 (2013.01); **G03H 1/08** (2013.01); G03H 2001/005 (2013.01); G03H 2001/0447 (2013.01)

Citation (search report)

See references of WO 2007022406A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2007022406 A2 20070222; **WO 2007022406 A3 20090522**; EP 1924877 A2 20080528; IL 189373 A0 20080807; JP 2009505105 A 20090205

DOCDB simple family (application)

US 2006032263 W 20060818; EP 06789846 A 20060818; IL 18937308 A 20080207; JP 2008527159 A 20060818