

Title (en)

DEVICE FOR PRODUCING THREE-DIMENSIONAL IMAGES OF OBJECTS BY MEANS OF OPTICAL SCANNERS AND METHOD FOR ACQUIRING A THREE-DIMENSIONAL IMAGE OF AN OBJECT

Title (de)

EINRICHTUNG ZUR HERSTELLUNG VON DREIDIMENSIONALEN AUFNAHMEN VON GEGENSTÄNDEN MITTELS OPTISCHER SCANNER UND EIN VERFAHREN ZUR DREIDIMENSIONALEN OBJEKTERFASSUNG

Title (fr)

DISPOSITIF POUR REALISER DES PRISES DE VUE TRIDIMENSIONNELLES D'OBJETS AU MOYEN DE SCANNERS OPTIQUES, ET PROCEDE D'ACQUISITION D'OBJETS EN TROIS DIMENSIONS

Publication

EP 1076839 A2 20010221 (DE)

Application

EP 99920852 A 19990505

Priority

- DE 19819992 A 19980505
- DE 19839339 A 19980830
- EP 9903078 W 19990505

Abstract (en)

[origin: WO9957597A2] The aim of the invention is to provide a device for producing three-dimensional images of objects using optical scanners in conjunction with data processing devices, as well as a method for controlling and operating optical scanners. To this end a computer comprises a software-controlled optical flat-bed scanner with a non-parallel or parallel optical imaging system, which is fitted with additional apparatus or modified, exchangeable apparatus parts for positioning the objects whose image is to be acquired or for optimizing the illumination of the objects for the three-dimensional representation. The computer comprises a special display unit for three-dimensional representation or a standard display unit. The object is acquired sequentially and/or simultaneously in at least two acquisition modes and the scanner device is controlled to this end. The data of the sequential and/or simultaneous image acquisition are stored and/or computer-processed after completion of the scanning process or partly during the scanning process, so as to yield a spatial model.

IPC 1-7

G02B 27/00

IPC 8 full level

H04N 13/00 (2006.01); **H04N 13/296** (2018.01)

CPC (source: EP US)

H04N 13/221 (2018.04 - EP); **H04N 13/296** (2018.04 - EP US); **H04N 13/189** (2018.04 - EP); **H04N 13/194** (2018.04 - EP); **H04N 13/239** (2018.04 - EP); **H04N 13/254** (2018.04 - EP); **H04N 13/257** (2018.04 - EP); **H04N 13/286** (2018.04 - EP)

Citation (search report)

See references of WO 9957597A2

Designated contracting state (EPC)

AT BE CH DK ES FI FR GB IE IT LI NL SE

DOCDB simple family (publication)

WO 9957597 A2 19991111; **WO 9957597 A3 19991223**; **WO 9957597 A9 20000217**; AU 3827599 A 19991123; DE 19839339 A1 20000302; EP 1076839 A2 20010221

DOCDB simple family (application)

EP 9903078 W 19990505; AU 3827599 A 19990505; DE 19839339 A 19980830; EP 99920852 A 19990505