

Title (en)  
IMAGE GENERATION DEVICE

Title (de)  
BILDERZEUGUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF D'IMAGERIE

Publication  
**EP 3538945 A1 20190918 (DE)**

Application  
**EP 17797622 A 20171109**

Priority  
• DE 102016221933 A 20161109  
• DE 102016226212 A 20161223  
• EP 2017078741 W 20171109

Abstract (en)  
[origin: WO2018087219A1] The invention relates to an image generation device comprising a laser light source (1); a mirror assembly having two parabolic mirrors (3, 6) via which a scanning light beam (1a, 5) generated by the laser light source is directed onto a sample surface (9); a deflection device (2), in particular a micromirror scanner, which is controllable such that the scanning light beam (1a, 5) scans points of the sample surface in a targeted manner; and a detector (10) which detects radiation emanating from a scanned point of the sample surface. The spatial resolution of the image generation device is substantially defined by the narrowest possible focusing of the laser beam, and the accuracy of the adjustable deflection angle is defined by the micromirror scanner.

IPC 8 full level  
**G02B 26/10** (2006.01)

CPC (source: EP US)  
**G01J 3/0208** (2013.01 - US); **G01J 3/021** (2013.01 - US); **G01J 3/42** (2013.01 - US); **G01J 3/4406** (2013.01 - US); **G01N 21/4795** (2013.01 - US); **G01N 21/6456** (2013.01 - EP US); **G01N 21/8806** (2013.01 - EP US); **G02B 17/0621** (2013.01 - EP); **G02B 26/0833** (2013.01 - US); **G02B 26/10** (2013.01 - US); **G02B 26/101** (2013.01 - EP US); **G01J 3/0208** (2013.01 - EP); **G01J 3/021** (2013.01 - EP); **G01J 3/42** (2013.01 - EP); **G01J 2003/421** (2013.01 - US); **G01N 2021/6417** (2013.01 - US); **G01N 2021/6463** (2013.01 - US); **G01N 2201/06113** (2013.01 - US); **G01N 2201/0633** (2013.01 - US); **G01N 2201/0636** (2013.01 - US); **G01N 2201/1053** (2013.01 - US)

Citation (search report)  
See references of WO 2018087219A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2018087219 A1 20180517**; EP 3538945 A1 20190918; US 2019310464 A1 20191010

DOCDB simple family (application)  
**EP 2017078741 W 20171109**; EP 17797622 A 20171109; US 201716348362 A 20171109