

Title (en)
VIRTUAL FIDUCIALS

Title (de)
VIRTUELLE BEZUGSMARKER

Title (fr)
REPÈRES VIRTUELS

Publication
EP 4031922 A1 20220727 (EN)

Application
EP 20876361 A 20201019

Priority
• US 201916658052 A 20191019
• US 202016824632 A 20200319
• US 2020056302 W 20201019

Abstract (en)
[origin: WO2021077075A1] The application refers to a microscope for locating structures on the inner surface of a fluidic channel. The microscope has a fiducial mask and fiducial lens generating a collimated mask image onto a beam splitter which directs the optical image to an objective lens where it is directed to an optical discontinuity formed by the change of index of refraction of the inner surface of a fluidic channel. Reflected optical energy is directed through the objective lens, the beam splitter, and a detector lens to a detector. A focused image forms when an inner surface of the fluidic channel is a focal distance from the objective lens, providing for imaging of fluorescent labels at the inner surface of the fluidic channel.

IPC 8 full level
G02B 21/00 (2006.01); **G01N 33/533** (2006.01)

CPC (source: EP KR)
G02B 21/0032 (2013.01 - EP); **G02B 21/006** (2013.01 - EP); **G02B 21/0076** (2013.01 - EP); **G02B 21/245** (2013.01 - EP KR); **G02B 27/34** (2013.01 - EP KR); **G01N 21/6458** (2013.01 - EP KR)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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