

Title (en)
THROUGH FOCUS RETINAL IMAGE CAPTURING

Title (de)
RETINALE BILDERFASSUNG MIT DURCHFOKUS

Title (fr)
CAPTURE D'IMAGE RÉTINIENNE À FOYER TRAVERSANT

Publication
EP 3654826 A4 20210324 (EN)

Application
EP 18834961 A 20180716

Priority
• US 201715651853 A 20170717
• US 2018042223 W 20180716

Abstract (en)
[origin: WO2019018258A1] An apparatus for producing a non-mydratic fundus image is disclosed. The apparatus can include a processor and memory, as well as an illumination component and a camera with a variable focus lens. The apparatus can be configured to adjust the focus of the lens to a plurality of different diopter ranges and capture at least one image at each of the plurality of different diopter ranges. Using the captured images, three-dimensional maps of the fundus may be generated. Three-dimensional maps of the fundus may be used to screen or diagnose various diseases.

IPC 8 full level
A61B 3/12 (2006.01); **A61B 3/00** (2006.01); **A61B 3/14** (2006.01)

CPC (source: EP)
A61B 3/00 (2013.01); **A61B 3/0058** (2013.01); **A61B 3/12** (2013.01); **A61B 3/1208** (2013.01); **A61B 3/14** (2013.01)

Citation (search report)
• [XY] US 2016249804 A1 20160901 - WANG YNJIUN PAUL [US]
• [Y] WO 2016070781 A1 20160512 - SUZHOU SIYUAN KEAN INFORMATION TECHNOLOGY CO LTD [CN]
• [Y] CN 1704017 A 20051207 - NI WEIMIN [CN]
• See also references of WO 2019018258A1

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

DOCDB simple family (publication)
WO 2019018258 A1 20190124; WO 2019018258 A9 20200326; AU 2018304105 A1 20200130; AU 2018304105 B2 20201119; CN 111328270 A 20200623; CN 111328270 B 20230103; EP 3654826 A1 20200527; EP 3654826 A4 20210324

DOCDB simple family (application)
US 2018042223 W 20180716; AU 2018304105 A 20180716; CN 201880047622 A 20180716; EP 18834961 A 20180716