

Title (en)

AN IMAGING SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR AN IMAGING DEVICE

Title (de)

BILDGEBUNGSSYSTEM, VERFAHREN UND COMPUTERPROGRAMMPRODUKT FÜR EINE BILDGEBUNGSVORRICHTUNG

Title (fr)

SYSTÈME D'IMAGERIE, PROCÉDÉ ET PRODUIT PROGRAMME D'ORDINATEUR POUR UN DISPOSITIF D'IMAGERIE

Publication

**EP 4309358 A1 20240124 (EN)**

Application

**EP 22712261 A 20220222**

Priority

- EP 21162644 A 20210315
- EP 2022054359 W 20220222

Abstract (en)

[origin: WO2022194497A1] An imaging system for an imaging device is provided by embodiments of the disclosure, the imaging system comprising: image sensor circuitry having a plurality of image sensing regions, each of the respective image sensing regions configured to be sensitive to light of a certain polarization state; and a polarization unit being configured to be arranged along an optical axis of the imaging device between an imaging lens system of the imaging device and the image sensor circuitry, the polarization unit further being further configured to receive incident light and provide light of different polarization states depending on the region of the polarization unit upon which the incident light is incident; the image sensor circuitry being configured to be arranged to receive light from the polarization unit and further being configured to output, at a first instance of time, image data corresponding to each of the respective image sensing regions.

IPC 8 full level

**A61B 1/04** (2006.01); **G02B 27/00** (2006.01)

CPC (source: EP)

**A61B 1/00009** (2013.01); **A61B 1/00096** (2013.01); **A61B 1/00186** (2013.01); **G02B 5/3025** (2013.01); **G02B 23/2407** (2013.01); **G02B 23/2484** (2013.01); **G02B 27/0075** (2013.01); **G02B 27/28** (2013.01); **H04N 23/67** (2023.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022194497 A1 20220922**; EP 4309358 A1 20240124

DOCDB simple family (application)

**EP 2022054359 W 20220222**; EP 22712261 A 20220222