

Title (en)

METHOD FOR CONSTRUCTING AN IMAGE FROM AN OPTICAL DEVICE WITH VARIABLE FOCAL LENGTH

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BILDES AUS EINER OPTISCHEN VORRICHTUNG MIT VARIABLER BRENNWEITE

Title (fr)

PROCEDE DE CONSTRUCTION D'UNE IMAGE A PARTIR D'UN DISPOSITIF OPTIQUE A FOCAL VARIABLE

Publication

**EP 4377880 A1 20240605 (FR)**

Application

**EP 22731608 A 20220601**

Priority

- FR 2105767 A 20210601
- FR 2108163 A 20210727
- EP 2022064972 W 20220601

Abstract (en)

[origin: WO2022253925A1] The invention relates to a method for capturing images of a first surface (12) of a human body using an imaging device (20) comprising a lens (40) with variable focal length, said method comprising the steps of: - capturing a plurality of images using the imaging device (20), said capturing being carried out by varying the focal length (df) of the lens (40) with variable focal length according to a control law; - constructing a sharp image of a portion of the surface (12) of the human body from the plurality of captured images of said surface (12); and - estimating the depth map of the local geometry of the first surface (12).

IPC 8 full level

**G06T 5/50** (2006.01); **A61N 1/05** (2006.01); **G06T 7/571** (2017.01)

CPC (source: EP US)

**G06T 5/50** (2013.01 - EP US); **G06T 5/60** (2024.01 - EP US); **G06T 7/571** (2017.01 - EP US); **G06T 7/74** (2017.01 - US); **G06T 2207/10016** (2013.01 - US); **G06T 2207/10028** (2013.01 - EP); **G06T 2207/10148** (2013.01 - EP US); **G06T 2207/20021** (2013.01 - EP); **G06T 2207/20081** (2013.01 - EP US); **G06T 2207/20084** (2013.01 - EP US); **G06T 2207/20221** (2013.01 - EP); **G06T 2207/30004** (2013.01 - EP US)

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 2022253925 A1 20221208**; AU 2022286641 A1 20231130; EP 4377880 A1 20240605; US 2024265562 A1 20240808

DOCDB simple family (application)

**EP 2022064972 W 20220601**; AU 2022286641 A 20220601; EP 22731608 A 20220601; US 202218565409 A 20220601