

Title (en)
SYSTEM FOR ACQUIRING HIGH-RESOLUTION IMAGES

Title (de)
SYSTEM ZUR ERFASSUNG HOCHAUFLÖSENDER BILDER

Title (fr)
SYSTEME D'ACQUISITION D'IMAGES A HAUTE RESOLUTION

Publication
EP 4196907 A1 20230621 (FR)

Application
EP 21773289 A 20210812

Priority
• FR 2008535 A 20200817
• EP 2021072550 W 20210812

Abstract (en)
[origin: WO2022038044A1] The present description relates to a system (10) for acquiring images of an object (12) comprising a stack of layers the total thickness of which is smaller than 600 μm , said stack comprising an image sensor (14) comprising a matrix array of photodetectors (16), a source (20) of an emission (RF) having a thickness smaller than 400 μm and comprising first and second opposite faces (22, 24), the second face being oriented toward the image sensor, the area density of the energy flux emitted by the source via the first face being higher than 100 $\mu\text{W}/\text{cm}^2$, the ratio between the area density of the energy flux emitted by the source via the second face and the first face being lower than 0.4, the transmittance of the source to said portion of the emission being higher than 15%, and an angular filter (18) that covers the image sensor and that is interposed between the source and the image sensor.

CPC (source: EP US)
G06T 3/4053 (2013.01 - US); **G06V 40/13** (2022.01 - US); **G06V 40/1318** (2022.01 - EP); **G06T 2207/10** (2013.01 - US)

Citation (search report)
See references of WO 2022038044A1

Designated contracting state (EPC)
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BA ME

Designated validation state (EPC)
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DOCDB simple family (publication)
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FR 2008535 A 20200817; CN 202121926107 U 20210817; EP 2021072550 W 20210812; EP 21773289 A 20210812; JP 2023512244 A 20210812; US 202118021546 A 20210812