

Title (en)
IMAGE SENSOR PIXEL

Title (de)
BILDSSENSORPIXEL

Title (fr)
PIXEL DE CAPTEUR D'IMAGES

Publication
EP 4000096 A1 20220525 (FR)

Application
EP 20739697 A 20200716

Priority
• FR 1908251 A 20190719
• EP 2020070072 W 20200716

Abstract (en)
[origin: WO2021013666A1] The present description relates to a pixel comprising a CMOS support (3) and at least two organic photodetectors (10A and 10B, 12A and 12B, 14A and 14B, 16A and 16B), in which one and the same lens (18) is vertically in line with the organic photodetectors.

IPC 8 full level
H01L 27/30 (2006.01); **H01L 27/146** (2006.01); **H01L 51/44** (2006.01); **H04N 5/369** (2011.01)

CPC (source: EP KR US)
H01L 27/14625 (2013.01 - EP KR); **H01L 27/14627** (2013.01 - EP); **H01L 27/14665** (2013.01 - EP KR); **H04N 25/705** (2023.01 - EP); **H10K 30/87** (2023.02 - EP KR); **H10K 39/32** (2023.02 - EP KR US); **Y02E 10/549** (2013.01 - KR)

Citation (search report)
See references of WO 2021013666A1

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

DOCDB simple family (publication)
EP 3767677 A1 20210120; CN 114270521 A 20220401; CN 213304142 U 20210528; EP 4000096 A1 20220525; FR 3098989 A1 20210122; FR 3098989 B1 20230825; JP 2022541305 A 20220922; KR 20220032096 A 20220315; TW 202118031 A 20210501; US 2022262863 A1 20220818; WO 2021013666 A1 20210128

DOCDB simple family (application)
EP 20186097 A 20200716; CN 202021427741 U 20200720; CN 202080058133 A 20200716; EP 2020070072 W 20200716; EP 20739697 A 20200716; FR 1908251 A 20190719; JP 2022503875 A 20200716; KR 20227004642 A 20200716; TW 109124207 A 20200717; US 202017627551 A 20200716