

Title (en)
IMAGE SENSOR

Title (de)
BILDSSENSOR MIT BILDKOMPENSATION DURCH PIXELANORDNUNG

Title (fr)
CAPTEUR D'IMAGES

Publication
EP 2198458 A1 20100623 (DE)

Application
EP 08802567 A 20080924

Priority
• EP 2008008090 W 20080924
• DE 102007045525 A 20070924

Abstract (en)
[origin: WO2009040110A1] An image sensor having a plurality of image sensor units in a substantially array-like arrangement, the light sensitive surfaces of the image sensor units spanning nodal points that are spaced from each other, and said nodal points together with horizontal and vertical connecting lines that connect the node points spanning a two-dimensional net, and the array-like arrangement comprising a central region and an edge region, the center region and the edge region being connected to each other along at least one connecting line, characterized in that the distance each of two neighboring nodal points of the array-like arrangement along the at least one connecting line differs in the central region and in the edge region. The invention furthermore relates to a camera system having an image sensor according to the invention and an additionally arranged optic.

IPC 8 full level
H01L 27/146 (2006.01); **G02B 27/00** (2006.01); **H04N 1/401** (2006.01); **H04N 5/217** (2011.01); **H04N 5/225** (2006.01); **H04N 5/357** (2011.01)

CPC (source: EP US)
H01L 27/14603 (2013.01 - EP US); **H01L 27/14643** (2013.01 - EP US); **H04N 25/134** (2023.01 - EP US); **H04N 25/61** (2023.01 - EP US); **H04N 25/611** (2023.01 - EP US); **G02B 27/0025** (2013.01 - EP US); **H01L 27/14618** (2013.01 - EP US); **H01L 27/14621** (2013.01 - EP US); **H01L 27/14625** (2013.01 - EP US); **H01L 27/14627** (2013.01 - EP US); **H01L 27/14634** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **H04N 1/195** (2013.01 - EP US)

Citation (search report)
See references of WO 2009040110A1

Citation (examination)
JACQUES DUPARRÉ ET AL: "Chirped arrays of refractive ellipsoidal microlenses for aberration correction under oblique incidence", OPTICS EXPRESS, vol. 13, no. 26, 1 January 2005 (2005-01-01), pages 10539, XP055071710, ISSN: 1094-4087, DOI: 10.1364/OPEX.13.010539

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007045525 A1 20090402; **DE 102007045525 A8 20090723**; EP 2198458 A1 20100623; JP 2010541197 A 20101224; JP 5342557 B2 20131113; KR 101486617 B1 20150204; KR 20100059896 A 20100604; US 2010277627 A1 20101104; WO 2009040110 A1 20090402

DOCDB simple family (application)
DE 102007045525 A 20070924; EP 08802567 A 20080924; EP 2008008090 W 20080924; JP 2010525272 A 20080924; KR 20107006289 A 20080924; US 67716908 A 20080924