

Title (en)

ELECTRONIC IMAGE SENSOR AND EVALUATION METHOD

Title (de)

ELEKTRONISCHER BILDSSENSOR UND EIN VERFAHREN ZUR AUSWERTUNG

Title (fr)

CAPTEUR D'IMAGE ELECTRONIQUE ET PROCEDE D'ANALYSE

Publication

EP 1479217 A1 20041124 (DE)

Application

EP 03720128 A 20030222

Priority

- DE 0300570 W 20030222
- DE 10208289 A 20020226

Abstract (en)

[origin: DE10208289C1] The image sensor (01) has several individual sensors (02,03,04,06) at spaced positions on a common carrier (07), each having a number of light-sensitive pixels in a row, each providing an electrical signal representing the incident light at the given pixel position, converted into image information by an evaluation unit. The image sensor is spaced relative to the examined object (09) so that the image regions received by the individual sensors overlap, the pixels of at least one sensor only partially read, so that the overlap areas are only read once by the evaluation unit. An Independent claim for an evaluation method for an electronic image sensor having individual sensors with overlapping image regions is also included.

IPC 1-7

H04N 1/195

IPC 8 full level

H04N 1/19 (2006.01); **H04N 1/195** (2006.01); **H04N 1/40** (2006.01); **H04N 3/15** (2006.01)

CPC (source: EP US)

H04N 1/19 (2013.01 - EP US); **H04N 1/40056** (2013.01 - EP US); **H04N 25/41** (2023.01 - EP US)

Citation (examination)

- DE 4024618 A1 19920206 - SIEMENS AG [DE]
- DE 3338168 A1 19840426 - DAINIPPON SCREEN MFG [JP]
- JP S63240261 A 19881005 - MATSUSHITA ELECTRIC IND CO LTD
- JP 2002051261 A 20020215 - MATSUSHITA ELECTRIC IND CO LTD
- See also references of WO 03073745A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

DE 10208289 C1 20030227; AU 2003223835 A1 20030909; CN 100338935 C 20070919; CN 1640112 A 20050713; EP 1479217 A1 20041124; EP 1501276 A2 20050126; EP 1501276 A3 20050817; EP 1503569 A2 20050202; EP 1503569 A3 20050817; JP 2006501635 A 20060112; JP 4416513 B2 20100217; RU 2004124528 A 20060127; RU 2305912 C2 20070910; US 2005157185 A1 20050721; US 7391441 B2 20080624; WO 03073745 A1 20030904; WO 03073745 B1 20040304

DOCDB simple family (application)

DE 10208289 A 20020226; AU 2003223835 A 20030222; CN 03804708 A 20030222; DE 0300570 W 20030222; EP 03720128 A 20030222; EP 04104410 A 20030222; EP 04104411 A 20030222; JP 2003572290 A 20030222; RU 2004124528 A 20030222; US 50431904 A 20040824