

Title (en)
INFRARED SENSOR AND METHOD FOR MAKING SAME

Title (de)
DETEKTOR FÜR INFRAROTE STRAHLUNG UND HERSTELLUNGSVERFAHREN

Title (fr)
CAPTEUR INFRAROUGE ET PROCEDE DE FABRICATION

Publication
EP 1402581 A1 20040331 (FR)

Application
EP 01938258 A 20010608

Priority
EP 0106630 W 20010608

Abstract (en)
[origin: WO02101843A1] The invention concerns an infrared sensor (2) comprising a plurality of pixels (12) having a structured layer (20) for infrared light absorption located at the sensor upper surface. The invention is characterised in that the absorption layer (20) is formed of colloidal particles, in particular graphite or metal oxide wafers embedded or sealed in a binder. The method for making such a sensor consists in forming the structured layer by deposit of the colloidal particles in accordance with a standard technique and then in eliminating partly the thus formed absorption layer to obtain a plurality of elementary absorption zones respectively associated with the plurality of pixels.

IPC 1-7
H01L 37/02; G01J 5/34

IPC 8 full level
G01J 1/02 (2006.01); **H01L 27/146** (2006.01); **H10N 15/00** (2023.01); **H10N 15/10** (2023.01); **H10N 19/00** (2023.01)

CPC (source: EP US)
H10N 19/00 (2023.02 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02101843 A1 20021219; CN 1513213 A 20040714; EP 1402581 A1 20040331; JP 2004529510 A 20040924; US 2004155188 A1 20040812

DOCDB simple family (application)
EP 0106630 W 20010608; CN 01823336 A 20010608; EP 01938258 A 20010608; JP 2003504479 A 20010608; US 47985003 A 20031208