



(11) **EP 2 819 063 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:  
**Corrected version no 1 (W1 B1)**  
**Corrections, see**  
**Bibliography INID code(s) 73**

(51) International Patent Classification (IPC):  
**G06V 40/13** <sup>(2022.01)</sup>

(52) Cooperative Patent Classification (CPC):  
**G06V 40/1324**

(48) Corrigendum issued on:  
**27.12.2023 Bulletin 2023/52**

(45) Date of publication and mention  
of the grant of the patent:  
**15.11.2023 Bulletin 2023/46**

(21) Application number: **13173423.8**

(22) Date of filing: **24.06.2013**

(54) **Obtaining a biometric image and handling damaged biometrics**

Herstellung biometrischer Bilder und Handhabung beschädigter Biometrie

Obtention d'une image biométrique et manipulation de la biométrie endommagée

(84) Designated Contracting States:  
**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**

(43) Date of publication of application:  
**31.12.2014 Bulletin 2015/01**

(73) Proprietor: **Malikie Innovations Limited**  
**Dun Laoghaire, Dublin A96 VR66 (IE)**

(72) Inventors:  
• **Mankowski, Peter**  
**Waterloo, Ontario N2L 3W8 (CA)**  
• **Sosnowski, Adam**  
**Waterloo, Ontario N2L 3W8 (CA)**  
• **Zawada, Krzysztof**  
**Rolling Meadows, IL Illinois 60008 (US)**

(74) Representative: **MERH-IP Matias Erny Reichl**  
**Hoffmann**  
**Patentanwälte PartG mbB**  
**Paul-Heyse-Strasse 29**  
**80336 München (DE)**

(56) References cited:  
**WO-A1-2012/090287 WO-A1-2012/140830**

**US-A- 5 974 162 US-A1- 2003 021 452**  
**US-A1- 2012 300 989**

- **PETER VANDERSTEEGEN ET AL:**  
"<title>Employing a 2D surface grating to  
improve light out coupling of a substrate emitting  
organic LED</title>", PROCEEDINGS OF SPIE,  
vol. 6486, 8 February 2007 (2007-02-08), pages  
64860H-64860H-8, XP55113363, ISSN: 0277-786X,  
DOI: 10.1117/12.701344
- **Jae Young Joo ET AL:** "Design and fabrication of  
a fingerprint imager with compact LED  
illumination and compact imaging optics", Optics  
Express, 20 August 2010 (2010-08-20), pages  
18932-18944, XP055082637, DOI:  
10.1364/OE.18.018932 Retrieved from the  
Internet:  
URL: [http://www.opticsinfobase.org/DirectPDFAccess/22C41F51-B4F7-7971-F2F7474DA05A264C\\_205259/oe-18-18-18932.pdf?da=1&id=205259&seq=0&mobile=no](http://www.opticsinfobase.org/DirectPDFAccess/22C41F51-B4F7-7971-F2F7474DA05A264C_205259/oe-18-18-18932.pdf?da=1&id=205259&seq=0&mobile=no) [retrieved on 2013-10-04] -&  
**JAE YOUNG JOO ET AL:** "LED beam shaping lens  
based on the near-field illumination", OPTICS  
EXPRESS, vol. 17, no. 26, 7 December 2009  
(2009-12-07), pages 2265-2272, XP055589705,

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

**EP 2 819 063 B8**