

(19)



(11)

**EP 3 596 749 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):

**H01L 21/44** <sup>(2006.01)</sup>      **H01L 21/82** <sup>(2006.01)</sup>  
**G06K 9/00** <sup>(2022.01)</sup>      **H01L 27/146** <sup>(2006.01)</sup>  
**H01L 31/112** <sup>(2006.01)</sup>

(48) Corrigendum issued on:

**23.03.2022 Bulletin 2022/12**

(52) Cooperative Patent Classification (CPC):

**H01L 27/146; G06V 40/1318; H01L 31/112**

(45) Date of publication and mention of the grant of the patent:

**09.02.2022 Bulletin 2022/06**

(86) International application number:

**PCT/CN2017/100462**

(21) Application number: **17832176.6**

(87) International publication number:

**WO 2018/166148 (20.09.2018 Gazette 2018/38)**

(22) Date of filing: **05.09.2017**

(54) **OPTICAL DETECTOR, FABRICATION METHOD THEREOF, FINGERPRINT RECOGNITION SENSOR, AND DISPLAY DEVICE**

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DÉTECTEUR OPTIQUE, SON PROCÉDÉ DE FABRICATION, CAPTEUR DE RECONNAISSANCE D'EMPREINTES DIGITALES, ET DISPOSITIF D'AFFICHAGE

(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**

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(30) Priority: **13.03.2017 CN 201710144824**

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(43) Date of publication of application:  
**22.01.2020 Bulletin 2020/04**

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(56) References cited:

<b>EP-A1- 2 375 242</b>	<b>CN-A- 102 324 445</b>
<b>CN-A- 105 184 247</b>	<b>CN-A- 105 373 772</b>
<b>CN-A- 106 022 276</b>	<b>US-A1- 2005 275 053</b>
<b>US-A1- 2011 109 591</b>	<b>US-B1- 6 277 668</b>
<b>US-B1- 7 897 108</b>	

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**EP 3 596 749 B8**

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