



(11) **EP 3 857 592 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

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

(48) Corrigendum issued on:
24.01.2024 Bulletin 2024/04

(45) Date of publication and mention
of the grant of the patent:
13.12.2023 Bulletin 2023/50

(21) Application number: **19865166.3**

(22) Date of filing: **27.09.2019**

(51) International Patent Classification (IPC):
H01L 21/68 ^(2006.01) **H01L 21/67** ^(2006.01)
B25J 11/00 ^(2006.01) **B25J 15/06** ^(2006.01)
B23K 1/00 ^(2006.01) **B23K 1/008** ^(2006.01)
B23K 1/20 ^(2006.01) **B23K 3/06** ^(2006.01)
B23K 3/08 ^(2006.01) **H01L 21/683** ^(2006.01)

(52) Cooperative Patent Classification (CPC):
H01L 21/67207; B23K 1/0008; B23K 1/008;
B23K 1/203; B23K 3/0623; B23K 3/082;
H01L 21/67103; H01L 21/6715; H01L 21/6719;
H01L 21/67248; H01L 21/681; H01L 21/6838

(86) International application number:
PCT/US2019/053421

(87) International publication number:
WO 2020/069294 (02.04.2020 Gazette 2020/14)

(54) **MULTIPLE MODULE CHIP MANUFACTURING ARRANGEMENT**

ANORDNUNG ZUR HERSTELLUNG VON CHIPS MIT MEHREREN MODULEN

AGENCEMENT DE FABRICATION DE PUCES À MODULES MULTIPLES

(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

(30) Priority: **28.09.2018 US 201862766076 P**

(43) Date of publication of application:
04.08.2021 Bulletin 2021/31

(73) Proprietor: **Sharp Technology Pte. Ltd.**
Singapore 534963 (SG)

(72) Inventor: **ZHANG, Jian**
Brookline, Massachusetts 02446 (US)

(74) Representative: **Dummett Copp LLP**
25 The Square
Martlesham Heath
Ipswich IP5 3SL (GB)

(56) References cited:
WO-A1-2019/032486 CN-A- 103 606 527
CN-A- 104 347 452 JP-A- H1 126 923
JP-A- 2003 303 926 JP-A- 2004 330 261
JP-A- 2009 071 332 JP-A- 2015 082 630
KR-B1- 101 027 491 KR-B1- 101 027 491
KR-B1- 101 141 921 US-A- 4 848 641
US-A- 4 848 641 US-A1- 2003 110 626
US-A1- 2003 110 626 US-A1- 2008 296 355
US-A1- 2009 026 247 US-A1- 2009 026 247
US-A1- 2009 057 372 US-A1- 2009 057 372
US-A1- 2010 127 049 US-A1- 2012 031 954
US-A1- 2015 034 702 US-A1- 2015 097 025
US-A1- 2015 122 876 US-A1- 2015 122 876
US-A1- 2015 230 346 US-A1- 2019 043 745
US-B1- 6 182 356 US-B1- 6 412 680
US-B1- 6 413 850 US-B1- 6 413 850
US-B1- 6 604 673 US-B2- 8 708 215

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).