



(11) **EP 3 784 749 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:
04.01.2023 Bulletin 2023/01
- (45) Date of publication and mention of the grant of the patent:
30.11.2022 Bulletin 2022/48
- (21) Application number: **19728762.6**
- (22) Date of filing: **22.04.2019**
- (51) International Patent Classification (IPC):
C09K 11/65 ^(2006.01) **H05B 33/10** ^(2006.01)
H05B 33/18 ^(2006.01) **B01J 23/34** ^(2006.01)
B01J 23/74 ^(2006.01) **C01B 32/26** ^(2017.01)
- (52) Cooperative Patent Classification (CPC):
C09K 11/65; C01B 32/26; H05B 33/10;
H05B 33/18; B01J 23/34; B01J 23/74;
C01P 2004/61; C01P 2004/62; C01P 2004/64
- (86) International application number:
PCT/US2019/028494
- (87) International publication number:
WO 2019/209702 (31.10.2019 Gazette 2019/44)

(54) **LUMINESCENT DIAMOND MATERIAL AND METHOD OF PRODUCING THE SAME**
LUMINESZENTES DIAMANTMATERIAL UND VERFAHREN ZUR HERSTELLUNG DAVON
MATÉRIAU LUMINESCENT DE DIAMANT ET PROCÉDÉ POUR SA FABRICATION

- (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: **24.04.2018 US 201862661813 P**
- (43) Date of publication of application:
03.03.2021 Bulletin 2021/09
- (73) Proprietor: **Diamond Innovations, Inc.**
Worthington, OH 43085 (US)
- (72) Inventors:
• **DALIS, Adamos**
Worthington, OH 43085 (US)
• **VAGARALI, Suresh, Shankarappa**
Columbus, OH 43235 (US)
- (74) Representative: **Neilson, Martin Mark**
Murgitroyd & Company Leeds
Studio 3
84 Albion Street
Leeds LS1 6AG (GB)
- (56) References cited:
EP-A1- 0 346 794 EP-B1- 0 346 794
WO-A1-2016/144256 WO-A2-2006/136929
WO-A2-2007/081492 GB-A- 2 543 032
US-A1- 2010 126 406
- **TÓTHSETAL: "Creation of near-infrared emitting optical center related to nickel-silicon impurity complex in nanodiamond grains", JOURNAL OF LUMINESCENCE, ELSEVIER BV NORTH-HOLLAND, NL, vol. 176, 13 April 2016 (2016-04-13), pages 367-371, XP029535053, ISSN: 0022-2313, DOI: 10.1016/J.JLUMIN.2016.04.015**

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 3 784 749 B8