

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
30 January 2020 (30.01.2020)



(10) International Publication Number
WO 2020/020921 A1

(51) International Patent Classification:

C03C 3/083 (2006.01) C03B 9/00 (2006.01)

C03C 11/00 (2006.01)

Published:

— with international search report (Art. 21(3))

(21) International Application Number:

PCT/EP2019/069865

(22) International Filing Date:

24 July 2019 (24.07.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

18185918.2 26 July 2018 (26.07.2018) EP

(71) Applicant: **BASF SE** [DE/DE]; Carl-Bosch-Str. 38, 67056 Ludwigshafen am Rhein (DE).

(72) Inventors: **OLBERT, Gerhard**; Carl-Bosch-Strasse 38, 67056 Ludwigshafen (DE). **PASIN E MATOS, Laila Raquel**; Carl-Bosch-Strasse 38, 67056 Ludwigshafen (DE).

(74) Agent: **DÖRNER, Eva**; MAIWALD PATENTANWALTS- UND RECHTSANWALTSGESELLSCHAFT MBH, Postfach 33 05 23, 80065 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

(54) Title: HOLLOW SPHERICAL GLASS PARTICLES

(57) Abstract: The present invention is directed to hollow aluminosilicate glass particles and a process for the production thereof. Further, the present invention is directed to an article comprising said hollow aluminosilicate glass particles as well as the use of said particles as a filler for high temperature products, molten metal, injection moulded synthetic materials, flame-retardant insulating foams, cement slurries, mortars, concretes and oil field applications.

WO 2020/020921 A1