

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
22 July 2021 (22.07.2021)



(10) International Publication Number
WO 2021/144170 A1

(51) International Patent Classification:

C01B 33/18 (2006.01) *C09C 1/12* (2006.01)

F16L 59/00 (2006.01) *C09C 1/30* (2006.01)

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

(21) International Application Number:

PCT/EP2021/050105

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))*

(22) International Filing Date:

06 January 2021 (06.01.2021)

Published:

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

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20151588.9 14 January 2020 (14.01.2020) EP

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(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, IT, 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, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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,

(54) Title: SILICA-BASED HYDROPHOBIC GRANULAR MATERIAL WITH AN INCREASED POLARITY

(57) Abstract: Silica-based hydrophobic granular material with an increased polarity Silica-based granular material, comprising silica and at least one IR-opacifier, hydrophobized with a surface treatment agent comprising a silicon atom, wherein the granular material has: a) a cumulative pore volume of pores > 4 nm of more than 2.5 cm³/g, as determined by the mercury intrusion method according to DIN ISO 15901-1; b) a tamped density of 140 g/L to 290 g/L; c) a number of silanol groups relative to BET surface area d_{SiOH} of at least 0.5 SiOH/nm², as determined by reaction with lithium aluminium hydride. d) a number of silicon atoms in the surface treatment agent relative to BET surface area d[Si] of at least 1.0 [Si atoms]/nm².

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