



(51) International Patent Classification:

C08J 5/00 (2006.01) C08K 3/04 (2006.01)

B82Y 30/00 (2011.01)

(21) International Application Number:

PCT/EP2025/050044

(22) International Filing Date:

02 January 2025 (02.01.2025)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2024 70001 03 January 2024 (03.01.2024) DK

PA 2024 70012 18 January 2024 (18.01.2024) DK

(71) Applicant: NANOCORE APS [DK/DK]; Langebjerg 1,
4000 Roskilde (DK).

(72) Inventors: PEDERSEN, Henrik; Skovallén 36, 2880 Bagsværd (DK). DYBRO LUNDORF, Mikkel; Nordvej 16B, 4000 Roskilde (DK). ISASTI IRIBAR, Ion; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). KROGSDAL JACOBSEN, Torben; c/o Langebjerg 1, 4000 Roskilde (DK). RANCKE MADSEN, Anders; c/o Langebjerg 1, 4000 Roskilde (DK). LÓPEZ MORENO, Alejandro; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). PÉREZ ÁLVAREZ, Emilio Manuel; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). GONZÁLEZ SÁNCHEZ, Marta; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). PARZYSZEK, Sylwia; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). VILLALVA FERNÁNDEZ, Julia; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). GONZÁLEZ-JUÁREZ, Maria de Lourdes; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). RIVAS CARAMÉS, Marisol; IMDEA Nanociencia,

Faraday 9, 28049 Madrid (ES). EATON, Matthew David; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). MIRANDA ALCÁZAR, Silvia; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). NARANJO CHACÓN, Alicia; IMDEA Nanociencia, Faraday 9, 28049 Madrid (ES). HUSTVEIT, Toralf; c/o Langebjerg 1, 4000 Roskilde (DK). REDDY CHOWREDDY, Ravindra; c/o Langebjerg 1, 4000 Roskilde (DK). BACH, Torkel; c/o Langebjerg 1, 4000 Roskilde (DK). OREA NIELSEN, Christian Benedikt; c/o Langebjerg 1, 4000 Roskilde (DK).

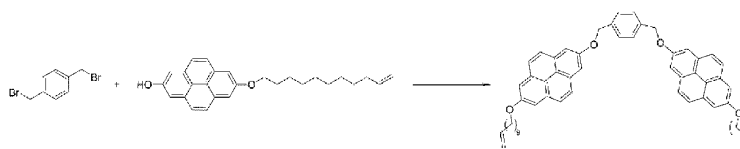
(74) Agent: INSPICOS P/S; Agern Allé 24, 2970 Hørsholm (DK).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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).

(54) Title: REPAIR AND OPTIMIZATION OF NANOCOMPOSITE MATERIALS

Figure 1.



(57) Abstract: The present invention relates to process for making a component comprising a composite material whereby three possible methods are detailed. More specifically, the invention relates to producing high performance composite materials, the method comprising surrounding nanofillers with specialized molecules that form covalently closed rings, where the matrix itself can be composed of polymers, metals, ceramics, or cement-based materials. The present invention also relates to a composite material comprising a nanofiller in the form of a nanotube or a graphene and further comprising a structural entity or matrix. Furthermore, the invention also relates to products or components made from the composite material.

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