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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 March 2013 (28.03.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/041926 A1

(51) International Patent Classification:
H01L 21/762 (2006.01)

(21) International Application Number:
PCT/IB2012/001405

(22) International Filing Date:
18 July 2012 (18.07.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1158330 20 September 2011 (20.09.2011) FR

(71) Applicant *(for all designated States except US)*: **SOITEC** [FR/FR]; Chemin des Franques-Parc Technologique des Fontaines, F-38190 BERNIN (FR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **FIGUET, Christophe** [FR/FR]; 438 Rue Hector Berlioz, F-38920 CROLLES (FR). **GOURDEL, Christophe** [FR/FR]; LES BRUNS, F-38530 SAINT MAXIMIN (FR).

(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, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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, 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))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

— *of inventorship (Rule 4.17(iv))*

Published:

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

(54) **Title**: METHOD FOR FABRICATING A COMPOSITE STRUCTURE TO BE SEPARATED BY EXFOLIATION

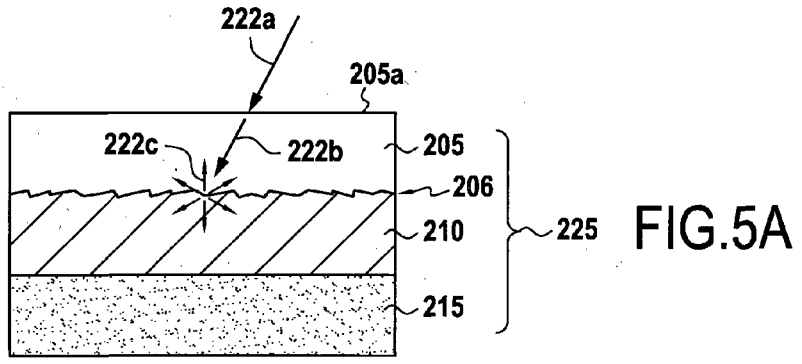


FIG.5A

(57) **Abstract**: The invention relates to a method for fabricating a composite structure (225) comprising a layer (215) to be separated by irradiation, the method comprising the formation of a stack containing: a support substrate (205) formed from a material which is at least partially transparent at a determined wavelength; a layer (215) to be separated; and a separation layer (210) interposed between the support substrate and the layer to be separated, the separation layer being adapted to be separated by exfoliation under the action of radiation (222a) having a wavelength corresponding to the determined wavelength, the method furthermore comprising, during the step for forming the composite step, a treatment step modifying the optical properties in reflection at the interface (206) between the support substrate and the separation layer or on the upper face (205a) of the support substrate.

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