

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 February 2007 (01.02.2007)

PCT

(10) International Publication Number
WO 2007/012605 A3

(51) International Patent Classification:

C12N 11/04 (2006.01) **C07K 1/14** (2006.01)
C12N 15/10 (2006.01) **C03B 37/026** (2006.01)
C07K 17/14 (2006.01) **H01B 3/08** (2006.01)

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(21) International Application Number:

PCT/EP2006/064483

(22) International Filing Date: 21 July 2006 (21.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

05106861.7 26 July 2005 (26.07.2005) EP

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): **DRO BIOSYSTEMS, S. L.** [ES/ES]; Parque Tecnológico, C/ Miramón, 200, E-20009 San Sebastián (ES).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARCOS, Simón** [ES/ES]; Paseo de Miramón, 200, E-20009 San Sebastián (ES). **CASTELRUÍZ, Ainara** [ES/ES]; Paseo de Miramón, 200, E-20009 San Sebastián (ES). **LOINAZ, Iraida** [ES/ES]; Paseo de Miramón, 196, E-20009 San Sebastián (ES). **POMPOSO, José Adolfo** [ES/ES]; Paseo de Miramón, 196, E-20009 San Sebastián (ES). **ZHUKOVA, Valentina** [RU/ES]; Paseo de Morlans, 54, E-20009 San Sebastián (ES).

(74) Agent: **BARLOCCI, Anna**; Balmes, 30 1^{ra}, E-08007 Barcelona (ES).

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))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

12 April 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STATIC SUPPORT BED FOR PURIFICATION, SEPARATION, DETECTION, MODIFICATION AND/OR IMMOBILIZATION OF TARGET ENTITIES AND METHOD USING THEREOF

(57) Abstract: The invention discloses a static support bed (SSB) for purification, separation, detection, modification, and/or immobilization of target chemical entities or target biological entities present in a fluid. The static support bed of the present invention comprises one or more microwire supports suitable for the attachment of target chemical entities or target biological entities.



WO 2007/012605 A3