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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 October 2008 (23.10.2008)

PCT

(10) International Publication Number
WO 2008/125612 A1

(51) International Patent Classification:
C12Q 1/68 (2006.01) *G01N 33/53* (2006.01)

(21) International Application Number:
PCT/EP2008/054402

(22) International Filing Date: 11 April 2008 (11.04.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
07106177.4 13 April 2007 (13.04.2007) EP

(71) Applicant *(for all designated States except US)*: **PANGAEA BIOTECH, S.A.** [ES/ES]; USP Instituto Universitario Dexeus, Departamento de Oncología, Sabino Arana 5-19, E-08028 Barcelona (ES).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ROSELL COSTA, Rafael** [ES/ES]; Institut Català d'Oncologia, Hospital Germans Trias i Pujol, Ctra. Canyet, s/n, E-08916 Badalona (ES). **TARÓN ROCA, Miguel** [ES/ES]; Institut Català d'Oncologia, Hospital Germans Trias i Pujol, Ctra. Canyet, s/n, E-08916 Badalona (ES).

(74) Agent: **BERNARDO NORIEGA, Francisco**; ABG Patentes, S.L., Avenida de Burgos, 16D, Edificio Euromor, E-28036 Madrid (ES).

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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*

WO 2008/125612 A1

(54) **Title:** METHOD OF DETERMINING A CHEMOTHERAPEUTIC REGIME AND SURVIVAL EXPECTANCY FOR NON SMALL CELL LUNG CANCER BASED ON EGFR/CSF-1/CA IX EXPRESSION

(57) **Abstract:** The present invention relates to a screening method for classifying and for deciding to apply chemotherapy to patients suffering from non-small-cell lung cancer (NSCLC), based on detecting the levels of EGFR, CSF-1 and CA IX.