



- (51) **International Patent Classification:**
G01N 33/558 (2006.01) *G01N 33/574* (2006.01)
- (21) **International Application Number:**
PCT/IB2020/000395
- (22) **International Filing Date:**
20 May 2020 (20.05.2020)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
MX/A/2019/005940
21 May 2019 (21.05.2019) MX

Piso 15, Of. 1502, Col. San José Insurgentes, Ciudad De México, 03900 (MX).

- (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, 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.

- (71) **Applicant:** ATSO CORPORATE AFFAIRS [MX/MX]; Meseta 232, Col. Jardines Del Pedregal, Alcaldia Alvaro Obregon, Ciudad De Mexico, C.P. 01900 (MX).

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

- (72) **Inventors:** ROJAS, Alberto, Checa; 3a Privada Calzada Los Reyes, Cuernavaca, Morelos, 62130 (MX). GODINEZ, Orlando, Santillan; Rio Florido 93, Tlaltemango, Cuernavaca Morelos, 62170 (MX). PALESTINO, Raul, Dominguez; Meseta 232, Col. Jardines Del Pedregal, Alcaldia Alvaro Obregon, Ciudad De Mexico, C.P. 01900 (MX).

- (74) **Agent:** MÁRQUEZ PONCE, Claudia Elizabeth; Clarke, Modet & C° de Mexico S.A., Av. Insurgentes Sur No. 1647,

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (54) **Title:** METHODS OF DIAGNOSING AND TREATING CERVICAL CANCER

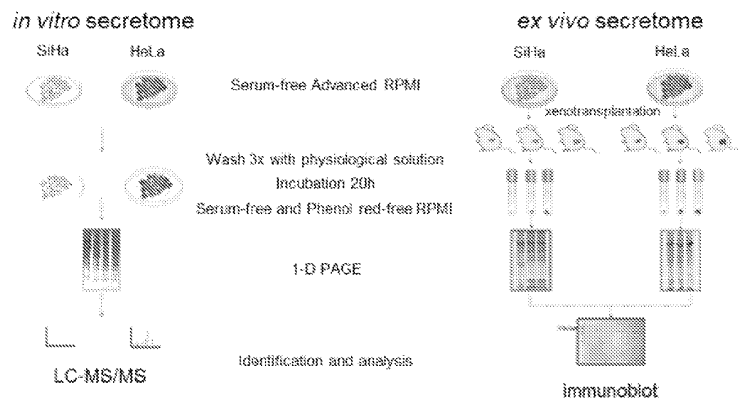


FIGURE 1

- (57) **Abstract:** The present invention is related to diagnostic tests or rapid detections of various different types of cancer, especially cervical cancer and precancerous lesions. Especially, the invention relates to specific and useful protein biomarkers for the detection of said diseases, and methods for determination and detection of said biomarkers.



(88) Date of publication of the international search report:
11 March 2021 (11.03.2021)