



(51) International Patent Classification:

C12Q 1/689 (2018.01) C12Q 1/6876 (2018.01)
C12Q 1/6818 (2018.01)

(21) International Application Number:

PCT/US2019/031439

(22) International Filing Date:

09 May 2019 (09.05.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/669,236 09 May 2018 (09.05.2018) US
15/976,733 10 May 2018 (10.05.2018) US

(71) Applicant: **TALIS BIOMEDICAL CORPORATION**
[US/US]; 230 Constitution Dr., San Francisco, CA 94025 (US).(72) Inventors: **CAPULE, Daniel**; 230 Constitution Dr., San Francisco, CA 94025 (US). **DEDENT, Andrea**; 230 Constitution Dr., San Francisco, CA 94025 (US). **LEE, Matt**; 230 Constitution Dr., San Francisco, CA 94025 (US). **MA, Shuyuan**; 230 Constitution Dr., San Francisco, CA 94025 (US).

(US). **MAAMAR, Hédia**; 230 Constitution Dr., San Francisco, CA 94025 (US). **VANATTA, Dana Kelly**; 230 Constitution Dr., San Francisco, CA 94025 (US).

(74) Agent: **ASHRAF, Shovon** et al.; Goodwin Procter LLP, 100 Northern Avenue, Boston, MA 02210 (US).

(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, 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, 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,

(54) Title: POLYNUCLEOTIDES FOR THE AMPLIFICATION AND DETECTION OF CHLAMYDIA TRACHOMATIS

		Primer Set																
		SEQID NO	12, 39, 66	13, 40, 67	14, 41, 68	15, 42, 69	16, 43, 70	17, 44, 71	18, 45, 72	19, 46, 73	20, 47, 74	21, 48, 75	22, 49, 76	23, 50, 77	24, 51, 78	25, 52, 79	26, 53, 80	27, 54, 81
Molecular Beacon	MB1	97	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB2	98	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB3	99	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB4	100	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB5	101	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB6	102		X														
	MB7	103	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB8	104	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB9	105	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB10	106	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB11	107	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB12	108	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB13	109	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB14	110		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB15	111	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB16	112	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB17	113			X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB18	114	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB19	115	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB20	116	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB21	117	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB22	118		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB23	119	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB24	120	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB25	121	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB26	122	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB27	123	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB28	124	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB29	125	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB30	126	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB31	127		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB32	128	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB33	129	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB34	130	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	MB35	131		X														

FIG. 1

(57) Abstract: The invention provides methods and compositions for the detection of *Chlamydia trachomatis* in a test sample. Its presence or absence in the sample is determined by nucleic acid based testing methods using primers and/or probes and or molecular beacons that bind to the 23S ribosomal genes or gene transcripts.

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).

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))*
- *with sequence listing part of description (Rule 5.2(a))*

From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

ASHRAF, Shovon
Goodwin Procter LLP
100 Northern Avenue
Boston, MA 02210
ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 15 September 2020 (15.09.2020)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference TSM-045WO	
International application No. PCT/US2019/031439	International filing date (day/month/year) 09 May 2019 (09.05.2019)

1. The following indications appeared on record concerning:		
☒ the applicant	☐ the inventor	☐ the agent
☐ the common representative		
Name and Address TALIS BIOMEDICAL CORPORATION 230 Constitution Dr. San Francisco, CA 94025 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	E-mail address	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
☐ the person	☐ the name	☒ the address
☐ the nationality		
☐ the residence		
Name and Address TALIS BIOMEDICAL CORPORATION 230 Constitution Drive Menlo Park, CA 94025 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	E-mail address ☐ Notifications by e-mail authorized	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
☒ the receiving Office	☐ the International Preliminary Examining Authority	
☐ the International Searching Authority	☒ the designated Offices concerned	
☐ the Authority(ies) specified for supplementary search	☐ the elected Offices concerned	
	☐ other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Moussaid El Mostafa e-mail pct.team6@wipo.int Telephone No. +41 22 338 74 06
---	---

CORRECTED VERSION

From the INTERNATIONAL BUREAU

PCT**NOTIFICATION OF THE RECORDING
OF A CHANGE**(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

ASHRAF, Shovon
Goodwin Procter LLP
100 Northern Avenue
Boston, MA 02210
ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 25 September 2020 (25.09.2020)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference TSM-045WO	
International application No. PCT/US2019/031439	International filing date (day/month/year) 09 May 2019 (09.05.2019)

1. The following indications appeared on record concerning:		
☐ the applicant	☒ the inventor	☐ the agent
☐ the common representative		
Name and Address CAPULE, Daniel; DEDENT, Andrea; LEE, Matt; MA, Shuyuan; MAAMAR, Hédia; VANATTA, Dana Kelly 230 Constitution Dr. San Francisco, CA 94025 United States of America	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
☐ the person	☐ the name	☒ the address
☐ the nationality		
☐ the residence		
Name and Address CAPULE, Daniel; DEDENT, Andrea; LEE, Matt; MA, Shuyuan; MAAMAR, Hédia; VANATTA, Dana Kelly 230 Constitution Drive Menlo Park, CA 94025 United States of America	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address ☐ Notifications by e-mail authorized	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
☒ the receiving Office	☐ the International Preliminary Examining Authority	
☐ the International Searching Authority	☒ the designated Offices concerned	
☐ the Authority(ies) specified for supplementary search	☐ the elected Offices concerned	
	☐ other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Moussaid El Mostafa e-mail pct.team6@wipo.int Telephone No. +41 22 338 74 06
---	---