

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
04 April 2019 (04.04.2019)



(10) International Publication Number
WO 2019/068018 A3

(51) International Patent Classification:
A61K 38/39 (2006.01)

(21) International Application Number:
PCT/US2018/053601

(22) International Filing Date:
28 September 2018 (28.09.2018)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/564,964 28 September 2017 (28.09.2017) US
62/657,591 13 April 2018 (13.04.2018) US
16/144,914 27 September 2018 (27.09.2018) US

(71) Applicant: **GELTOR, INC.** [US/US]; 1933 Davis Street,
#312, San Leandro, California 94577 (US).

(72) Inventors: **OZOUNOV, Nikolay**; 1933 Davis Street,
#312, San Leandro, California 94577 (US). **LORESTANI,
Alexander**; 1933 Davis Street, #312, San Leandro, Cali-
fornia 94577 (US). **BHATIA, Monica**; 1933 Davis Street,
#312, San Leandro, California 94577 (US).

(74) Agent: **SUH, Young J.** et al.; P.O.Box 70250, Oakland,
California 94612-0250 (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.

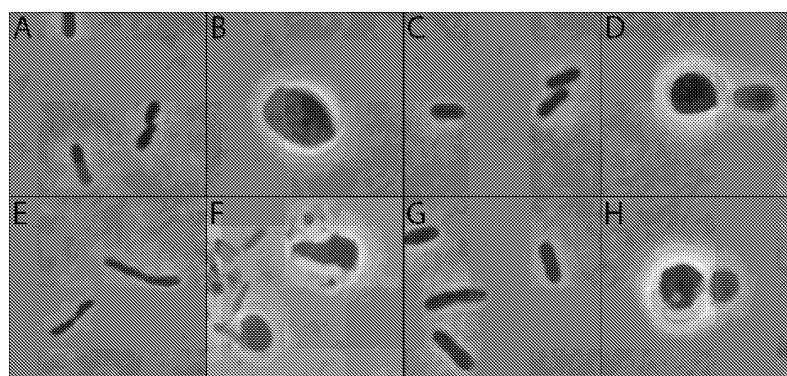
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
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))

(54) Title: RECOMBINANT COLLAGEN AND ELASTIN MOLECULES AND USES THEREOF

Fig. 4



(57) Abstract: This disclosure provides non-naturally occurring collagen and elastin molecules. The non-naturally occurring collagens and elastins include truncated collagens, truncated elastins, as well as fusion proteins thereof. The non-naturally occurring collagen and elastin are useful in foods, cosmetics and many other products and uses.

[Continued on next page]

WO 2019/068018 A3

(88) Date of publication of the international search report:
09 May 2019 (09.05.2019)