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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 May 2015 (07.05.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/063608 A3

(51) International Patent Classification:
A61K 38/00 (2006.01) *C07K 7/06* (2006.01)
A61K 38/04 (2006.01) *A61P 31/00* (2006.01)
C07K 7/00 (2006.01) *A61P 31/04* (2006.01)

(21) International Application Number:
PCT/IB2014/002989

(22) International Filing Date:
31 October 2014 (31.10.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/898,183 31 October 2013 (31.10.2013) US
61/905,440 18 November 2013 (18.11.2013) US

(71) Applicant: **HUTCHISON BIOFILM MEDICAL SOLUTIONS LIMITED** [IL/BS]; Offshore Group Chambers, P.O. Box CB-12751, Nassau, New Providence (BS).

(72) Inventor: **ZLOTKIN, Amir**; c/o Tel Hashomer Medical Research, Infrastructure and Services Ltd., The Technology Transfer Company, of Chaim Sheba Medical Center, 52621 Tel-Aviv (IL).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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).

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 (Art. 21(3))*

(88) Date of publication of the international search report:
6 August 2015

WO 2015/063608 A3

(54) Title: PREVENTION AND DISPERSION OF BIOLFILM

(57) Abstract: The present invention relates to compositions and methods for increasing the effectiveness of antibiotics against bacteria, particularly antibiotic resistant bacteria.