



(51) International Patent Classification:

G02B 1/04 (2006.01) C07C 49/786 (2006.01)
G02C 7/04 (2006.01) C08F 220/20 (2006.01)
A61F 2/16 (2006.01) C08F 220/36 (2006.01)
C08K 5/132 (2006.01) C08F 220/38 (2006.01)
C08K 5/3475 (2006.01) C08F 220/58 (2006.01)
C07D 249/18 (2006.01)

(21) International Application Number:

PCT/AU2019/051356

(22) International Filing Date:

10 December 2019 (10.12.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2018904686 10 December 2018 (10.12.2018) AU

(71) Applicants: **COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION** [AU/AU]; Clunies Ross Street, Acton, Australian Capital Territory 2601 (AU). **SEED CO., LTD.** [JP/JP]; 2-40-2 Hongo, Bunkyo-ku, Tokyo 113-8402 (JP).

(72) Inventors: **SATO, Takao**; 1-66-7-908 Takinogawa, Kita-ku, Tokyo (JP). **YAMAZAKI, Yoshiko**; 1-14-6-201 Imaizumi, Ageo, Saitama (JP). **BASUKI, Johan Sebastian**; c/o Commonwealth Scientific and Industrial Research Organisation, Clunies Ross Street, Acton, Australian Cap-

ital Territory 2601 (AU). **HUGHES, Timothy Charles**; c/o Commonwealth Scientific and Industrial Research Organisation, Clunies Ross Street, Acton, Australian Capital Territory 2601 (AU). **MACDONALD, James Matthew**; c/o Commonwealth Scientific and Industrial Research Organisation, Clunies Ross Street, Acton, Australian Capital Territory 2601 (AU). **KEMPPINEN, Kimmo Petteri**; c/o Commonwealth Scientific and Industrial Research Organisation, Clunies Ross Street, Acton, Australian Capital Territory 2601 (AU).

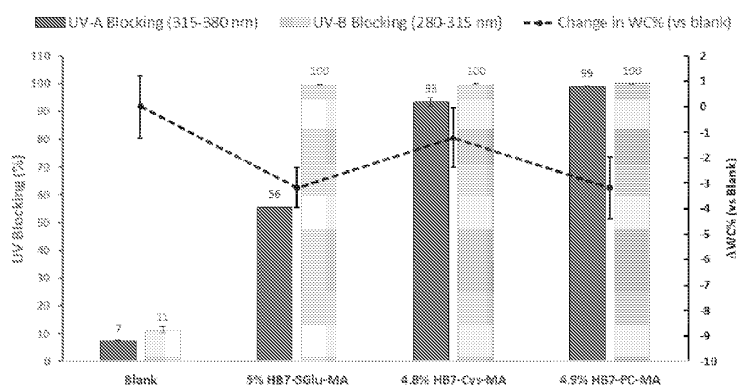
(74) Agent: **DAVIES COLLISON CAVE PTY LTD**; 1 Nicholson Street, Melbourne, Victoria 3000 (AU).

(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,

(54) Title: UV ABSORBING OCULAR LENS

Figure 1



(57) Abstract: Ocular lenses having UV absorbing properties are disclosed. The ocular lens comprises a hydrogel polymer comprising polymerised residues derived from a polymerisable UV absorber of formula (I): U-L-Py (I) wherein: U is a UV absorbing moiety; L is a hydrophilic non-polyalkylene glycol linker comprising an anionic, a zwitterionic or a saccharide moiety; and Py is an ethylenically unsaturated polymerisable moiety.

[Continued on next page]

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))*