



(51) International Patent Classification:
B29C 33/38 (2006.01) **G02B 1/04** (2006.01)

(21) International Application Number:
PCT/GB2011/051104

(22) International Filing Date:
13 June 2011 (13.06.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/369,116 30 July 2010 (30.07.2010) US

(72) Inventors; and

(71) Applicants : **GOODENOUGH, Neil** [GB/GB]; C/o CooperVision Manufacturing Limited, R&D Pilot Facility, Unit 1, School Lane, Chandlers Ford, Eastleigh Hampshire SO53 4TE (GB). **MORSLEY, David Robert** [GB/GB]; C/o CooperVision Manufacturing Limited, R&D Pilot Facility, Unit 1, School Lane, Chandlers Ford, Eastleigh Hampshire SO53 4TE (GB). **BRUCE, Ian** [GB/GB]; C/o CooperVision Manufacturing Limited, R&D Pilot Facility, Unit 1, School Lane, Chandlers Ford, Eastleigh Hampshire SO53 4TE (GB). **BIALEK, Edyta S** [PL/GB]; C/o CooperVision Manufacturing Limited, R&D Pilot Facility, Unit 1, School Lane, Chandlers Ford, Eastleigh Hampshire SO53 4TE (GB). **NORRIS, Lee Darren** [GB/GB]; C/o CooperVision Manufacturing Limited, R&D Pilot Facility, Unit 1, School Lane, Chandlers Ford, Eastleigh Hampshire SO53 4TE (GB).

(74) Agent: **CRITTEN, Matthew Peter**; Abel & Imray, 20 Red Lion Street, London Greater London WC1R 4PQ (GB).

(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, 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, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: OPTHALMIC DEVICE MOLDS FORMED FROM VINYL ALCOHOL COPOLYMER, OPTHALMIC DEVICES MOLDED THEREIN, AND RELATED METHODS

(57) Abstract: Ophthalmic device molds made from at least one vinyl alcohol copolymer and having a static sessile drop contact angle of less than 70 degrees, ophthalmic devices such as ocular inserts and contact lenses and including silicone hydrogel devices formed using these molds, and related methods are described. The methods of manufacturing ophthalmic devices can use dry or wet demolding processes, or dry or wet delensing processes.

