

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063471 A2

(51) International Patent Classification⁷: **B29D 11/00**

(74) Agent: **BOWMAN, Paul, Alan**; Lloyd Wise, Commonwealth House, 1-19 New Oxford Street, London WC1A 1LW (GB).

(21) International Application Number:
PCT/EP2004/014487

(22) International Filing Date:
17 December 2004 (17.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0329718.1 22 December 2003 (22.12.2003) GB

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant (*for all designated States except US*): **BAUSCH & LOMB INCORPORATED** [US/US]; One Bausch & Lomb Place, Rochester, NY 14604-2701 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **WADDING, John** [IE/IE]; 29 Brentwood Crescent, Earls court, Waterford (IE). **DUGGAN, Robert** [IE/IE]; Owing, Piltown, Co. Kilkenny (IE). **O'NEILL, Trevor** [IE/IE]; 15 Ard Na Groi, Tramore, Co. Waterford (IE). **SHEPPARD, David** [IE/IE]; 4 Spurge Cove, Tramore, Co. Waterford (IE). **KENNEDY, Gabriel** [IE/IE]; 74 Newtown, Tramore, Co. Waterford (IE). **MURPHY, Michael, W.** [IE/IE]; Woodstown, Co. Waterford (IE).

(54) Title: CONTACT LENS MANUFACTURE

(57) Abstract: A method for controlling a production line for the manufacture and/or packaging of contact lenses which production line simultaneous by processes at least two lots, the method comprising dividing at least a portion of the production line into a series of cells through which the contact lens pass sequentially, and providing a control system comprising at least three shift registers each containing information about each of said cells, including: (a) a location shift register which indicates whether a cell should be empty or occupied, (b) a lot data shift register which is a non-binary shift register and contains manufacturing and/or prescription data about the contact lens which should be in the cell and (c) a condition shift register which provides an indication of the condition of the product in the cell, and simultaneously indexing all of said shift registers as a lens passes down the production line from one cell to the next cell.



WO 2005/063471 A2