

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/005368 A1

(51) International Patent Classification⁷: **C07C 67/26**

(21) International Application Number:
PCT/US2004/021058

(22) International Filing Date: 29 June 2004 (29.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/610,262 30 June 2003 (30.06.2003) US

(71) Applicant (for all designated States except US): **JOHNSON & JOHNSON VISION CARE, INC.** [US/US];
7500 Centurion Parkway, Suite 100, Jacksonville, FL
32256 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MOLOCK, Frank, F.** [US/US]; 1543 Wildfern Drive, Orange Park, FL 32203 (US). **HEPTING, Joseph** [US/US]; 1119 18th Street, Port Huron, MI 48060 (US). **MAHADEVAN, Shivkumar** [US/US]; 1717 County Road 200 #1801, Orange Park, FL 32003 (US).

(74) Agents: **JOHNSON, Philip, S.** et al.; Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003 (US).

(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, IT, 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:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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.

(54) Title: PROCESS FOR THE PRODUCTION OF ESTERS FROM EPOXIDES

(57) Abstract: The present invention relates to a process comprising the steps of reacting in the presence of an epoxide opening catalyst, a substituted epoxide, and preferably a silicone containing substituted epoxide with at least one carboxylic acid and at least one protecting agent to form a vicinal dialkyl ester or a vicinal disilyl ester.

WO 2005/005368 A1