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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 September 2004 (02.09.2004)

PCT

(10) International Publication Number
WO 2004/073597 A2

(51) International Patent Classification[7]: A61K

(21) International Application Number:
PCT/GB2004/000569

(22) International Filing Date: 13 February 2004 (13.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0303831.2 20 February 2003 (20.02.2003) GB

(71) Applicant *(for all designated States except US)*: **RECKITT BENCKISER HEALTHCARE (UK) LIMITED** [GB/GB]; 103-105 Bath Road, Slough, Berkshire SL1 3UH (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **RICHARDSON, Johnathan, Craig** [GB/GB]; 52 Lonsdale Drive, Toton, Nottingham NG9 6LS (GB). **MELIA, Colin, David** [GB/GB]; 71 Park Road, Beeston Chilwell, Nottingham NG9 4DE (GB). **DETTMAR, Peter, William** [GB/GB]; Tithe House, Tithe Barn Lane, Patrington, East Yorkshire HU12 0PE (GB). **HAMPSON, Frank, Chadwick** [GB/GB]; 93 Inmans Road, Hedon, East Yorkshire HU12 8HU (GB). **JOLLIFFE, Ian, Gordon** [GB/GB]; Reckitt Benckiser Healthcare (UK) Limited, Dansom Lane, Hull HU8 7DS (GB).

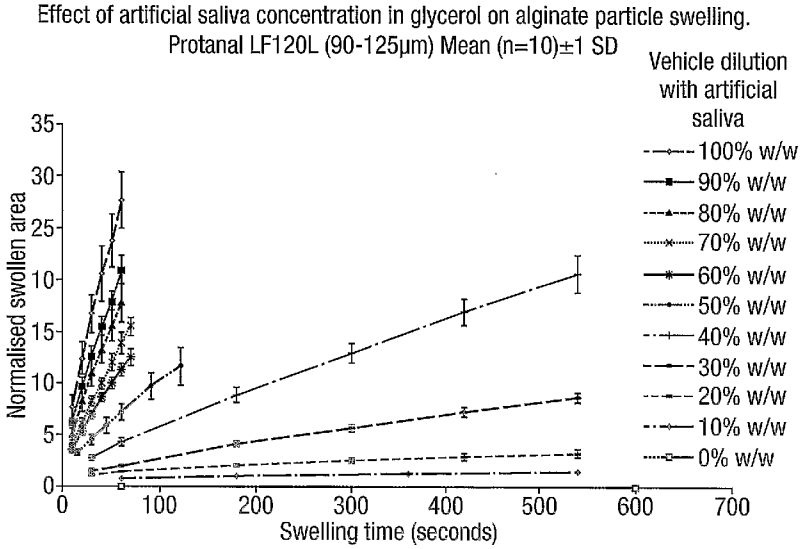
(74) Agents: **HALL, Marina** et al.; Group Patents Department, Reckitt Benckiser plc, Dansom Lane, Hull, HU8 7DS (GB).

(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,

[Continued on next page]

(54) Title: IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOSITIONS



(57) Abstract: A liquid composition for adherence to a bodily surface, notably to a bodily surface, especially a mucosal surface, comprises water-swellable polymer particles suspended in a water-miscible liquid diluent, wherein the liquid diluent is substantially free of water or includes an amount of water insufficient to fully swell the polymer particles. On admixture with water the composition thickens and becomes more adherent to surfaces. Thus the composition may be easy to administer but may become thick and adherent at the treatment site.

WO 2004/073597 A2

GM, KE, LS, MW, MZ, 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, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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)) for all designations*

— *of inventorship (Rule 4.17(iv)) for US only*

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.