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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 January 2006 (05.01.2006)

PCT

(10) International Publication Number
WO 2006/000224 A3

(51) International Patent Classification:
A61P 19/10 (2006.01) *A61K 33/24* (2006.01)

(21) International Application Number:
PCT/DK2005/000425

(22) International Filing Date: 24 June 2005 (24.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2004 00991 25 June 2004 (25.06.2004) DK
PA 2004 01733 10 November 2004 (10.11.2004) DK

(71) Applicant *(for all designated States except US)*: **CMJ INTERNATIONAL LTD**; 10A, The Maltings, Roydon Road, Stanstead Abbotts, Ware, Hertfordshire, SG 12 8HG (GB).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **CHRISTENSEN, John, Nikolaj, Hvarre** [DK/DK]; Granledet 6, Lellinge, DK-4600 Køge (DK).

(74) Agent: **HØIBERG A/S**; St. Kongengsgade 59A, DK-1264 Copenhagen K (DK).

(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, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, 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:
— *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*

(88) Date of publication of the international search report:
18 May 2006

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: COMPOSITIONS COMPRISING STRONTIUM AND VITAMIN D AND USES THEREOF

(57) Abstract: The invention relates to the finding that very favorable pharmacokinetic characters are obtained by combining two strontium salts in one pharmaceutical composition. The present invention relates in one aspect to a pharmaceutical composition comprising at least two strontium salts for use as a medicament, and in particular for the treatment and prevention of bone disorders such as osteoporosis. The composition preferably comprises strontium carbonate and strontium chlorides. Further included may be a vitamin D compound, preferably vitamin D_3.

WO 2006/000224 A3