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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074916 A1

(51) International Patent Classification[7]: A61K 31/366, 38/27, A61P 3/00

(21) International Application Number:
PCT/EP2005/000758

(22) International Filing Date: 26 January 2005 (26.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/540,204 29 January 2004 (29.01.2004) US
60/543,366 10 February 2004 (10.02.2004) US

(71) Applicant *(for all designated States except US)*: **APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.** [NL/NL]; Pietermaai 15, Curaçao (AN).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **DE LUCA, Giampiero** [IT/CH]; Chemin de Conches 15B, CH-1231 Conches (CH).

(74) Agents: **NARGOLWALLA, Cyra** et al.; Cabinet Plasseraud, 65/67 Rue de la Victoire, F-75440 Paris Cedex 09 (FR).

(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).

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

Published:
— *with international search 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.

WO 2005/074916 A1

(54) Title: METHODS AND COMPOSITIONS FOR THE TREATMENT OF LIPODYSTROPHY

(57) Abstract: The present invention is directed to methods and compositions for the treatment of lipodystrophy. The methods contemplate treatment of lipodystrophy in both HIV and non-HIV patients. More specifically, the methods are directed to a combination therapy that employs growth hormone and statins to effect treatment of lipodystrophy.