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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 December 2000 (14.12.2000)

PCT

(10) International Publication Number
WO 00/74712 A2

(51) International Patent Classification[7]: A61K 38/46, 35/74, A23L 1/29, A61P 1/00, 17/00, 25/00, 35/00

(21) International Application Number: PCT/IT00/00230

(22) International Filing Date: 7 June 2000 (07.06.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
RM99A000376 9 June 1999 (09.06.1999) IT

(71) Applicant *(for all designated States except US)*: MENDES S.R.L. UNIPERSONALE (MENDES S.U.R.L.) [IT/IT]; Via Nuoro, 12, I-00040 Ardea (IT).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: DE SIMONE, Claudio [IT/IT]; Via Nuoro, 12, I-00040 Ardea (IT).

(74) Agents: CAVATTONI, Fabio et al.; Cavattoni - Raimondi, Viale dei Parioli, 160, I-00197 Roma (IT).

(81) Designated States *(national)*: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, DZ, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, 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.

WO 00/74712 A2

(54) Title: COMPOSITION COMPRISING ALKALINE SPHINGOMYELINASE FOR USE AS A DIETETIC PREPARATION, FOOD SUPPLEMENT OR PHARMACEUTICAL PRODUCT

(57) Abstract: The invention relates to a composition which, depending on the user, may be taken as a nutritional, dietetic or strictly therapeutic preparation, comprising as its active substance alkaline sphingomyelinase which is capable of preventing or treating various pathological conditions including cancerous processes, inflammatory processes of the intestine, hypercholesterolaemia and infections with *Helicobacter pylori*.