

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 May 2003 (01.05.2003)

PCT

(10) International Publication Number
WO 03/035686 A3

(51) International Patent Classification⁷: **C07K 14/59**,
A61K 38/24

(21) International Application Number: PCT/EP02/11501

(22) International Filing Date: 15 October 2002 (15.10.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/338,088 22 October 2001 (22.10.2001) US

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

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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

Published:

— with international search report

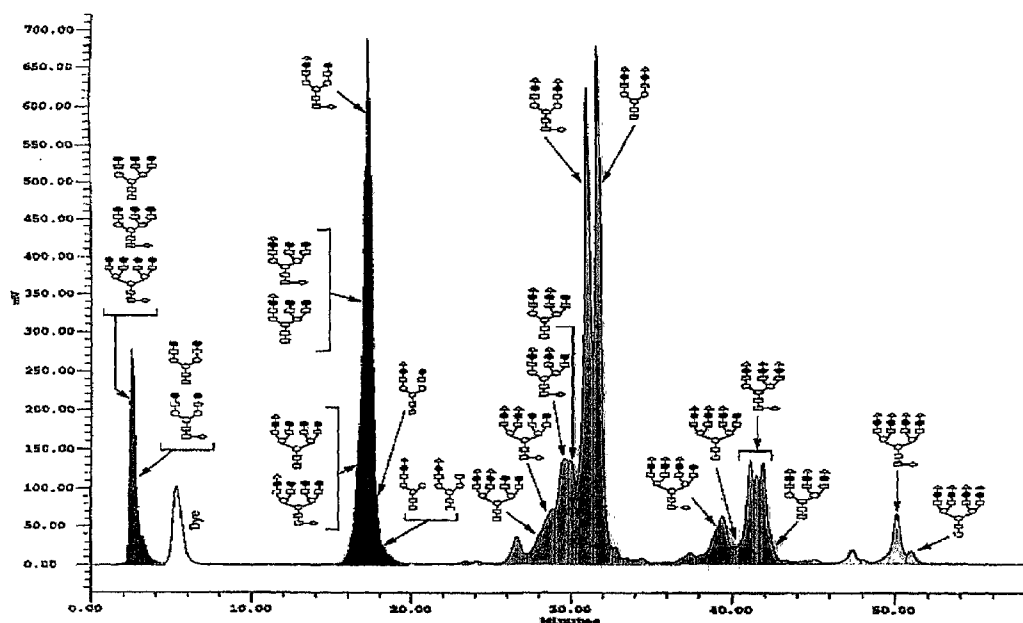
(88) Date of publication of the international search report:
9 October 2003

(72) Inventors; and
(75) Inventors/Applicants (for US only): **LOUMAYE, Ernest**
[BE/FR]; Domaine De Quincy, F-74140 Massongy (FR).
GIARTOSIO, Carlo Emanuele [IT/IT]; Via Botticelli 2,
I-00196 Roma (IT).

(74) Agent: **SERONO INTERNATIONAL S.A. INTELLECTUAL PROPERTY**; 12, Chemin des Aulx, CH-1228
Plan-les-Ouates (CH).

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 OF FSH WITH HIGH SIALYLATION DEGREE AND THEIR USE FOR THE PREPARATION OF MEDICAMENTS



(57) Abstract: The invention provides an FSH preparation having a high degree of sialylation, and showing increased efficacy.



WO 03/035686 A3