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(21) International Application Number: PCT/IB98/01188 (22) International Filing Date: 3 August 1998 (03.08.98) (30) Priority Data: MI97A001880 5 August 1997 (05.08.97) IT (71) Applicant (for all designated States except US): UNIVERSITY OF MASSACHUSETTS LOWELL [US/US]; One University Avenue, Lowell, MA 01854 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): LAWTON, Carl, William [US/US]; One University Avenue, Lowell, MA 01854 (US). SWARTZ, Randall, Wolfe [US/US]; One University Avenue, Lowell, MA 01854 (US). (74) Agent: CRAWFORD, Arthur R.; Nixon & Vanderhye P.C., 8th floor, 1100 North Glebe Road, Arlington, Virginia 22201-4714 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, 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, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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 <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 15 April 1999 (15.04.99)
(54) Title: PROCESS FOR THE PURIFICATION OF ACARBOSE, PHARMACEUTICAL COMPOSITION CONTAINING SAME AND ITS USE FOR THE TREATMENT OF DIABETES (57) Abstract The present invention discloses a process for the purification of acarbose comprising loading a prepurified acarbose solution on a chromatography column packed with a non-aromatic strong acid cation exchanger which is hydrophilic and has high mass transfer and subsequent elution.		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 98/01188

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C07H15/203 A61K31/70

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C07H A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 23 47 782 A (BAYER AG) 10 April 1975 cited in the application see page 1, paragraph 1 see page 6, paragraph 2 - page 8, paragraph 2 see claims 3,4,9-11 ---	1,8-10
A	EP 0 226 121 A (BAYER AG) 24 June 1987 cited in the application see page 1 - page 4, line 10 see page 9, line 24 - page 10, line 8 see page 13, line 4 - line 8 see claims 1-4,9-11 --- -/--	1,8-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SHIBATA, YASUSHI ET AL: "Synthesis of pseudo-oligosaccharide glycosidase inhibitors. Part VII. Total synthesis of acarbose and adiposin-2" CARBOHYDR. RES. (1989), 189, 309-22, XP002091224 see page 309, introduction see page 316, last paragraph see page 321, synthesis of compound 1a ---	1,8
A	US 4 767 850 A (LANGE PETER M ET AL) 30 August 1988 cited in the application see column 1, line 40 - column 2, line 38 see claims ---	1
A	DE 27 19 912 A (BAYER AG) 16 November 1978 cited in the application see page 5, paragraph 2 see page 6, last paragraph - page 7, paragraph 1 see claims -----	1

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Information on patent family members

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