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(54) Title: PHARMACEUTICAL PRODUCTS CONTAINING THERMALLY-INHIBITED STARCHES

(57) Abstract

Thermally-inhibited starches and flours are used in pharmaceutical products as a diluent, filler, carrier, binder, disintegrant, coating, thickener, moisture sink, and the like. The starches and flours are inhibited by dehydrating the starch or flour to substantially anhydrous or anhydrous and then heat treating the anhydrous or substantially anhydrous starch or flour for a time and at a temperature sufficient to inhibit the starch or flour. The dehydration can be carried out by heating the starch or flour, by extracting the starch or flour with a solvent, or by freeze-drying. Preferably, the pH is adjusted to a neutral pH or above prior to the dehydration and heat treatment.

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INTERNATIONAL SEARCH REPORT

Inter. .onal Application No
PCT/US 96/00612

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A61K47/36

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 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.
X	US,A,3 977 897 (OTTO B. WURZBURG) 31 August 1976 cited in the application see column 1 - column 2 see column 3, line 33 ---	1,2,4-9, 11-17
X	DATABASE WPI Section Ch, Week 8652 Derwent Publications Ltd., London, GB; Class B07, AN 86-341929 XP002009781 & JP,A,61 254 602 (NICHIDEN KAGAKU KK) , 12 November 1986 cited in the application see abstract --- -/--	1,2,4-9, 11-17

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
31 July 1996	13. 08. 96

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+ 31-70) 340-3016	Tzschoppe, D

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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.
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Y	US,A,4 391 836 (CHUNG-WAI CHIU) 5 July 1983 cited in the application see column 2, line 9 - column 3, line 52	1-20
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P,Y	WO,A,95 04082 (NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING) 9 February 1995 see the whole document	1-20

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter. ional Application No
PCT/US 96/00612

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