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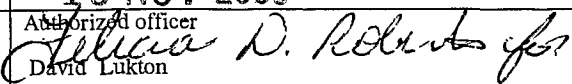
(54) Title: ULTRAPURE TRANSFERRIN FOR PHARMACEUTICAL COMPOSITIONS

(57) Abstract: The present invention relates to an ultrapure human transferrin, and to methods for manufacturing the ultrapure transferrin. The transferrin may be holo-, apo- or at any desired degree of iron saturation. The invention further relates to the use of ultrapure transferrin as the protein moiety of conjugates, and to pharmaceutical compositions comprising ultra transferrin alone as well as in the form of a conjugate.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL02/00308

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 38/40 US CL : 530-394 According to International Patent Classification (IPC) or to both national classification and IPC</p>																				
<p>B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 530-394, 380; 424/1.69</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, CAS Online</p>																				
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>US 4,841,026 A (VAN BEVEREN et al) 20 June 199 (20.06.1989), see entire document.</td> <td>1-60</td> </tr> <tr> <td>A</td> <td>US 5,252,715 A (HAUPT) 12 October 1993 (12.10.1993), see entire document.</td> <td>1-60</td> </tr> <tr> <td>A</td> <td>US 5,000,935 (FAULK) 19 March 1991 (19.03.1991), see entire document.</td> <td>1-60</td> </tr> <tr> <td>A</td> <td>US 5,071,537 (BETHKE et al) 20 August 1991 (20.08.1991), see entire document.</td> <td>1-60</td> </tr> <tr> <td>A</td> <td>US 5,744,586 A (ROLF et al) 28 April 1998 (28.04.1998), see entire document.</td> <td>1-60</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	A	US 4,841,026 A (VAN BEVEREN et al) 20 June 199 (20.06.1989), see entire document.	1-60	A	US 5,252,715 A (HAUPT) 12 October 1993 (12.10.1993), see entire document.	1-60	A	US 5,000,935 (FAULK) 19 March 1991 (19.03.1991), see entire document.	1-60	A	US 5,071,537 (BETHKE et al) 20 August 1991 (20.08.1991), see entire document.	1-60	A	US 5,744,586 A (ROLF et al) 28 April 1998 (28.04.1998), see entire document.	1-60
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Authorized officer  David Lukton Telephone No. 703-308-0196																		

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL02/00308

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claim Nos.: 61-63
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
- Remark on Protest The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.