Title: METHOD FOR PURIFYING MIXTURES OF IMMUNOGLOBULIN & ALBUMIN

Abstract: A method for the concurrent purification and isolation of albumin and IgG from a fluid composition containing up to about 15%, by weight, of blood plasma proteins obtained from a plasma source that has not previously undergone any prior fractionation. In this method, the composition is buffered and thereafter modified by the addition, relative to IgG, of a thermal stabilization effective amount of a polyhydric alcohol, and, by addition, relative to albumin, of a thermal stabilization effective amount of a carboxylic acid (e.g. carboxylic acid having about 3 to about 10 carbon atoms), or the physiologically acceptable salt of said. The resulting fluid composition is thereby heated to and maintained at a temperature in the range sufficient to effect essentially complete denaturation of proteins, other than the albumin and the IgG components, of said composition. Thereafter, the fluid composition is cooled and the soluble components thereof, the albumin and IgG, isolated from the solids and suspended matter by a combination of filters designed to initially remove the solids and suspended matter from the fluid composition, and thereafter through an array of tangential flow filtration membranes capable of isolation of soluble protein components of said composition by molecular weight.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC: C07K 16/18(2006.01),14/765(2006.01)
   USPC: 530/363,387.1
   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)
   U.S. : 530/363, 387.1
   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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<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>Y</td>
<td>US 4,440,679 A (TERNANDS et al) 03 April 1984, entire document</td>
<td>1-7</td>
</tr>
<tr>
<td>Y</td>
<td>US 4,156,681 A (SCHNEIDER et al) 29 May 1979, entire document</td>
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<td>US 4,754,019 A (GION et al) 28 June 1988, entire document</td>
<td>1,5, 7</td>
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<tr>
<td>Y</td>
<td>US 6,365,395 B1 (ANTONIOU) 02 April 2002, entire document</td>
<td>1, 6</td>
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</tbody>
</table>

See patent family annex.

The documents listed are considered to be relevant to the disclosure of the invention.

Date of the actual completion of the international search: 18 August 2008 (18.08.2008)

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