Title: GARMENT FOR A COOLING AND HYDRATION SYSTEM

Abstract: A garment is provided which is worn by a wearer and which actively cools the wearer. A heat transfer fluid pathway is provided which feeds the heat transfer fluid through a vest and cap or other heat transfer garment, where the heat transfer fluid draws heat away from the body of the wearer. The pathway is established between an inner layer proximate to the body of the wearer and an outer layer. Dots are provided which connect the inner layer and the outer layer together within the pathway. Fences are provided and borders to channel the heat transfer fluid along the pathway within the garment. A supply of elevated pressure air is optionally provided to maintain optimal contact for efficient heat transfer between the heat exchange fluid within the garment and the body of the wearer.
Published:
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— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: A61F 7/00(2006 01)

USPC: 607/104, 2/458, 165/46

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)


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>X</td>
<td>US 4,149,541 A (GAMMONS et al.) 17 April 1979 (17041979), column 2, lines 23-55.</td>
<td>1-6, 19-21, 26, 27</td>
</tr>
<tr>
<td>X</td>
<td>US 6,178,562 B1 (ELKINS) 30 January 2001 (30012001), see Figs. 5, 8, and 9 and columns 3-6.</td>
<td>1-3, 12-22, 23-26, 28-30</td>
</tr>
<tr>
<td>A</td>
<td>US 5,792,216 A (KAPPEL) 11 August 1998 (11081998), see entire disclosure.</td>
<td>1-30</td>
</tr>
<tr>
<td>A</td>
<td>US 2001/0018604 A1 (ELKINS) 30 August 2001 (30012001), see entire disclosure.</td>
<td>1-30</td>
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<tr>
<td>A</td>
<td>US 2001/0039439 A1 (ELKINS et al) 08 November 2001 (08112001), see entire disclosure.</td>
<td>1-30</td>
</tr>
</tbody>
</table>

- Further documents are listed in the continuation of Box C.
- See patent family annex.

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25 August 2008 (25082008)

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