Abstract: A woven fabric pool cover has an antimicrobial agent that reduces/prevents the growth of microbes on the pool cover and in the water of a swimming pool covered by the cover. The fabric cover may be woven from polyolefin extruded monofilaments, and/or fibrillated tape yarns where the yarns have an antimicrobial agent added during the yarn extrusion process or added to fabric formed by the yarns. The fabric may be woven from traditional polyolefin extruded monofilaments, and/or fibrillated tape yarns before the resulting fabric is treated with an antimicrobial agent. Such treatment may involve spraying a solution onto the fabric or also dipping, soaking, or padding the fabric into the treating solution. The antimicrobial agent may form a zone of inhibition around the yarns and may seep out of the fabric to form zones of inhibition in the surrounding environment, like on the cover and/or in swimming pool water.
INTERNATIONAL SEARCH REPORT

INTERNATIONAL SEARCH REPORT

International application No
PCT/US 07/8176

A
CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B32B 5/02,27/04,27/12 (2008.01)

USPC - 442/123

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 (8) - B32B 5/02,27/04,27/12 (2008.01)

USPC - 442/123

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

USPC - 4/498, 442/59, 442/401

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

PUBWEST (PGB, USPT, USOC, EPAB, JPAB) Terms - antibacterial antimicrobial antifungal algicide bactericide herbicide microbicidal
textile woven fiber pool cover soluble water geotextile extrude coat thermoplastic
google pool cover fabric algae bacteria soluble woven, thermoplastic textile algicide

C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
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<td>US 2006/0089067 A1 (Baker et al) 27 Apr 2006 (27 04 2006), para [0007], [0019], [0022], [0027]-[0033]</td>
<td>Y</td>
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</tbody>
</table>

D Further documents are listed in the continuation of Box C

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Date of the actual completion of the international search
10 April 2008 (10 04 2008)

Date of mailing of the international search report
06 MAY 2008

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