(51) International Patent Classification:
E04B 9/00 (2006.01)  E06B 3/54 (2006.01)

(21) International Application Number:
PCT/US2007/081348

(22) International Filing Date: 15 October 2007 (15.10.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/592,383 3 November 2006 (03.11.2006) US

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(54) Title: SUB-FLOOR ASSEMBLIES FOR SPORTS FLOORING SYSTEMS

(57) Abstract: A sub-floor assembly for a sports flooring system includes a plurality of sub-floor panel components each formed of a plastic material and each having a formed channel wherein the formed channels of the plurality of sub-floor panel components are linearly aligned. A first strip of anchoring material is disposed within the linearly aligned formed channels of the plurality of sub-floor panel components and is used to attach a plurality of flooring strips to the sub-floor panel components.


(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJK, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published: with international search report

(88) Date of publication of the international search report: 28 August 2008
## INTERNATIONAL SEARCH REPORT

**INTERNATIONAL APPLICATION NO.**

| PCT/US 07/81348 |

### A. CLASSIFICATION OF SUBJECT MATTER

| IPC(B) - E04B 9/00 ; E06B 3/54 (2008.01) |

USPC - 52/480

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)

USPC: 52/480

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

USPC: 52/177,403,1,480,506.05,506.06,584.1,591.5,576,393,710 - text word limited - see below

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

WEST (PGPB,USPT,USOC,EPAB,JPAB); google scholar

Search terms: panel, floor, sub floor, channel, U shape, filling, anchor, plastic, modular, sports, etc.

### 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 1,693,655 A (Murphy) 04 December 1928 (04.12.1928), entire document, esp. fig 1, 2, 4; p 1, in 1-13; p 1, in 76 - p 2, in 23.</td>
<td>4, 16, 21</td>
</tr>
<tr>
<td>Y</td>
<td>US 2004/0040242 A1 (Ranjelovic) 04 March 2004 (04.03.2004), entire document, esp. para [0030] - [0039]; para [0042] - [0047]; fig 2, 3A, 4B.</td>
<td>4-10, 21-27, 29-33</td>
</tr>
<tr>
<td>A</td>
<td>US 1,195,289 A (Stevens) 22 August 1916 (22.08.1916) see entire document, esp., figure 1</td>
<td>1-33</td>
</tr>
<tr>
<td>A</td>
<td>US 2,092,694 A (Crooks) 7 September 1937 (07.09.1937), see entire document.</td>
<td>1-33</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

- **A** document defining the general state of the art which is not considered to be of particular relevance
- **E** earlier application or patent but published on or after the international filing date
- **L** document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- **O** document referring to an oral disclosure, use, exhibition or other means
- **P** document published prior to the international filing date but later than the priority date claimed
- **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 involved to 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
- **&** document member of the same patent family

### Date of the actual completion of the international search

30 January 2008 (30.01.2008)

### Date of mailing of the international search report

12 JUN 2008

### 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. 571-273-3201

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PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2007)