Title: FIRE BARRIER SYSTEM FOR BUILDING PANELS

Abstract: An expansion joint for building panels, such as concrete floor slabs, comprises a U-shaped drape of a flexible, fire-resistant, impermeable material such as stainless steel foil. The opposite legs of the U-shaped drape are fastened between respective adjacent slabs and a mat of expandable fire-resistant material inserted within the U-shaped drape between the slabs. The impermeability and flexibility of the drape, coupled with the insulating property of the mat provide an inexpensive, effective fire seal between building panels that can also accommodate seismic displacement.
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : E 04C 3/00
US CL : 52/459

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. : 52/459, 396.01,402, 232, 396.04

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

Electronic database consulted during the international search (name of data base and, where practically, 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 6,131,352 A (BARNES et al) 17 October 2000 (17.10.2000), see entire document.</td>
<td>1-10</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,974,750 A (LANDIN et al) 02 November 1999 (12.11.1999), see entire document.</td>
<td>12-17</td>
</tr>
<tr>
<td>A</td>
<td>US 4,811,529 (HARRIS et al) 14 March 1989 (14.03.1989), see entire document.</td>
<td>1-17</td>
</tr>
</tbody>
</table>

Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent published on or after the international filing date

"C" 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)

"D" 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 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

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report
21 OCT 2005

Authorized officer
Valerie Bell-Harriss

Telephone No. (571) 272-1600

Form PCT/ISA/210 (second sheet) (January 2004)