Device for Holding a Piece in a Bore

A device for holding a piece in a bore comprises a cylindrical sleeve constructed to be inserted into the bore and held therein by engagement of its outer surface with an inner surface of the bore, and a series of fins extending longitudinally of an inner surface of the sleeve and projecting inwardly from the inner surface of the sleeve, the fins being spaced from each other circumferentially of the sleeve with tips disposed to engage an outer surface of a piece inserted into the sleeve. The sleeve and the fins are integrally formed of resilient flexible plastic, and the fins are skewed in a same circumferential direction relative to radial planes of the sleeve. The flexibility of the fins is such that the fins can be readily deflected when engaged by an inserted piece.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/23015

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : F16B 21/00, 43/00
US Cl. : 411/512, 433, 353, 999, 352, 908 and 970

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. : 411/512, 433, 353, 999, 352, 908 and 970

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 4,844,677 A (SCHWARTZMAN) 04 July 1989 (04.07.1989), column 9, lines 39 - 54, figures 1 - 3</td>
<td>1, 2, 4, 7 and 11</td>
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<td></td>
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<td>3, 5, 8 - 10 and 12 - 22</td>
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<td>A</td>
<td>US 4,558,494 A (KRAUS) 17 December 1985 (17.12.1985), column 2, lines 25 - 35 and figures 1 - 4</td>
<td>1, 2, 4, 6 and 11</td>
</tr>
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</table>

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

Date of the actual completion of the international search: 22 August 2005 (22.08.2005)

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