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(71) Applicant: UNIVERSAL PROPULSION COMPANY,
INC. [US/US]; 25401 North Central Avenue, Phoenix, AZ 85027 (US).

(72) Inventors: SMITH, Leonard; 13439 West Evans Drive,
Surprise, AZ 85379 (US). DOUGHERTY, Gregory, B.;
2943 Fernwood Drive, Lodi, CA 95242 (US). TOLSON,
Michael, H.; 107 Christine Drive, Vacaville, CA 95687
(US). HARRINGTON, David, L.; 3845 Rollingwood
Drive, Fairfield, CA 94533 (US).

(74) Agent: TITUS, John, D.; The Cavanagh Law Firm, Suite
2400, 1850 N. Central Avenue, Phoenix, AZ 85004 (US).

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(54) Title: LINEAR IGNITION FUZE WITH SHAPED SHEATH

(57) Abstract: A linear ignition fuze has a sheath (14), the inner surface
(22) of which has an irregular cross section such that the sheath (14) is
capable of forming a gas channel (18) against a single strand cylindrical
core (12) having a substantially circular (e.g. circular or elliptical)
cross section. According to one embodiment of the invention, the wall of the
sheath (14) is of a non-uniform thickness having a cylindrical outer
surface and a polygonal inner surface (22). The gap (18) formed between
the apexes of the polygonal inner surface (22) and the substantially cylindri-
cal core (12) form the gas channels (18), while the contact between the
side walls of the polygonal inner surface (22) and the cylindrical core
(12) confine the core (12) within the sheath (14).
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : C06C 5/00; F42B 4/00; F42C 19/00; F42D 1/00
US CL : 102/275.1, 275.5, 275.8, 275.9

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
U.S. Patent No. 4,220,087

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>
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<tr>
<td>X</td>
<td>US 4,220,087 A (Pesson) 2 September 1980 (02.09.1980), column 2, lines 4-25, lines 30-39, lines 54-66, column 4, lines 49-56, column 5, lines 4-13, lines 16-17, lines 22-29, lines 60-64, column 6, lines 1-2.</td>
<td>11 and 12</td>
</tr>
<tr>
<td>Y</td>
<td>US 3,590,739 A (Persson) 6 July 1971 (06.07.1971), column 2, lines 29-36, lines 42-47, lines 60-73, column 3, lines 1-3, lines 43-44, lines 49-52, lines 58-73, column 4, lines 1-5.</td>
<td>1-3, 6, 9, 10, 14, 15, 18-24</td>
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