Title: ACTIVE PARACHUTE RISER SYSTEM

Abstract: A parachute riser system (10) for decreasing the velocity of a payload (16) attached to a parachute (14) is provided. The parachute riser system (10) comprises a pressure vessel (12) mounted between the payload (16) and the parachute (14). A piston (22) is slidably mounted within the pressure vessel (12) with the piston (22) secured to the payload. A gas generation mechanism (20) generates a charge and moving the piston (22) in a general direction toward the parachute.
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : B64D 17/30
US CL. : 244/138R,142-152
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. : 244/138R,142-152

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tbody>
<tr>
<td>X</td>
<td>US 2730317 A (ONANIAN) 10 JANUARY 1956 (10/01/1956) SEE FIGURE 1</td>
<td>1,3-8,10-11,13-18,20-24</td>
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<td>2,9,12,19</td>
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<td>Y</td>
<td>US 3109615 A (FRITZ) 05 NOVEMBER 1963 (05/11/1963) SEE FIGURE 1 AND 3</td>
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<td>US 3146975 A (DELANAIRE) 01 SEPTEMBER 12964 (01/09/1964) SEE FIGURES 6-7</td>
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<td>Y</td>
<td>US 3156442 A (POURCHET) 10 NOVEMBER 1964 (10/09/1964) SEE FIGURE 1</td>
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<tr>
<td>X</td>
<td>US 3387805 A (BARNETT ET AL) 11 JUNE 1968 (11/06/1968) SEE FIGURE 1,11</td>
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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: 04 March 2004 (04.03.2004)
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