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(54) **Recoil absorber**

(57) The invention relates to devices which safely absorb recoil energy. The invention provides a recoil absorber (10) suitable for heavy mortars (12) and other firearms, being particularly useful where the weapon (12) is to be mounted on a lightweight vehicle. The device comprising a stationary mass (14) attachable to a light vehicle and a movable mass (16) slidably attached to the sta-

tionary mass (14), a first hydraulic cylinder (18) having a cylindrical component (20) and a piston component (22), one of the components (20,22) being rigidly attached to the stationary mass (14) and the remaining component (20,22) being attached in line to the movable mass (16) and an oil restrictor circuit (24) in fluid communication with the first hydraulic cylinder (18).

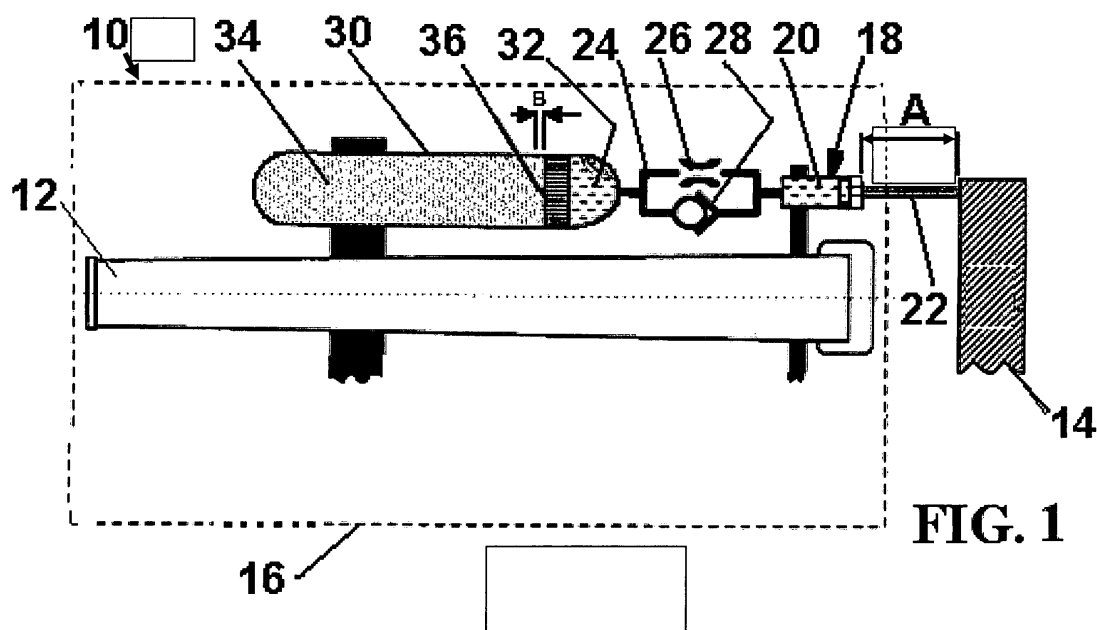


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
EP 11 00 5117

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Y	* column 1, line 48 - line 61 * * column 5, line 18 - line 65 * * figures 1,3,5,9,10 *	1-5,8-11	
Y	US 2009/126558 A1 (KOHNNEN NORBERT [DE]) 21 May 2009 (2009-05-21) * paragraphs [0014], [0020] - [0026]; figure 1 *	1-5,8-11	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 June 2014	Examiner Seide, Stephan
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EUROPEAN SEARCH REPORT

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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