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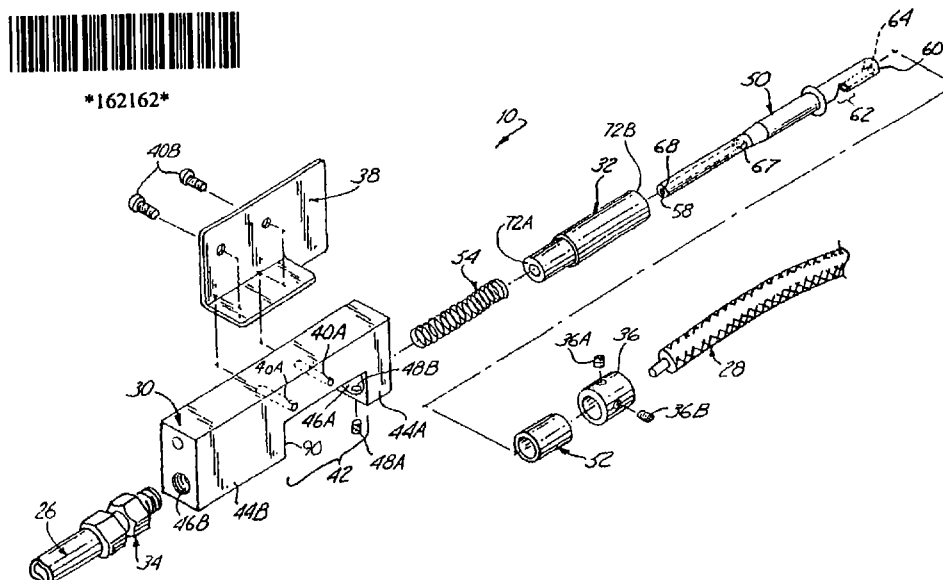
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(54) Title: RADIATION DETECTOR WITH PNEUMATICALLY OPERATED SHUTTER AND METHOD OF USE



(57) Abstract: The invention is a pneumatically actuated energy collection device. The device includes a support which has an energy collector thereon. A shutter is slidably attached to the support and can be moved between a first "closed" position and a second "open" position. In its first position, the shutter covers the collector and in its second position, the shutter uncovers the collector. The shutter is biased into one of the positions. A chamber is disposed adjacent to the shutter so that when the chamber is pressurized, the shutter bias is overcome and the shutter is moved between the first position and the second position.

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