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(54) **Device for detection of falling objects that distinguishes between the rocks retained or allowed to pass according to their size and impact energy.**

(57) Device for detection of falling objects that distinguishes between the rocks retained or allowed to pass according to their size and impact energy, particularly applicable for protection of land travel routes, communications routes or other infrastructures, in certain areas of these that may be affected by falling objects that can obstruct or damage them. It consists of a barrier (1) made up of mesh (2) attached to some posts (3) equipped with a number of connectors (30) that have outlets connected to an electrical cable (31), which has a closed circuit connection to a battery centre (35) and a transmitter and antenna or optic fibre cable power supply control centre

(36). The connectors (31) are used for insertion of plugs (6) that, as a result of the limits (12) especially designed for this purpose, secure the mesh (2) while also closing the mentioned electrical circuit. The battery centre (35) generates the power required to maintain the system active, the transmitter and antenna or optic fibre cable power supply control centre (36) being connected to the system in such a way that, when the current cannot complete the circuit because one of the connectors (30) has been released, because there has been a failure in the battery centre (35), or any other reason, it sends an alarm signal to a control centre it is connected to.

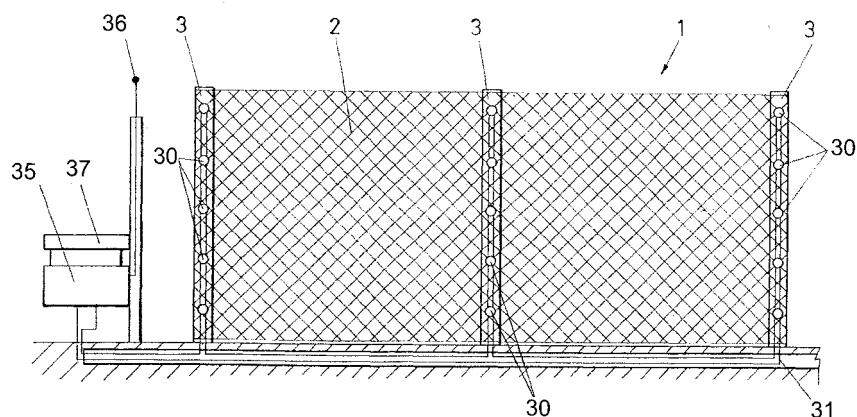


FIG.1



EUROPEAN SEARCH REPORT

Application Number
EP 10 15 1187

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			E01F
Place of search		Date of completion of the search	Examiner
Munich		11 November 2011	Kremsler, Stefan
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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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. The members are as contained in the European Patent Office EDP file on
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