

Title (en)
Illuminated inflatable balloon.

Title (de)
Beleuchteter aufblasbarer Ballon.

Title (fr)
Ballon gonflable éclairant.

Publication
EP 0679413 A1 19951102 (FR)

Application
EP 95400952 A 19950427

Priority
FR 9405216 A 19940429

Abstract (en)
The balloon (1) has a flexible outer surface (1) which is connected an electric cable with an outer sheath (27). A sealed connection through the balloon wall is made by an outer plate (4) with inner ring and sealed connections (13). Nut connections (28) on the outer wall allow connection to an inner section. The cable connects a power source on the ground to a light in the centre of the balloon. An actuation device inside the balloon consists of a spring (7) which is tensioned by a flexible connector and connected to the loop (17) of a two-sided pin (19). Switches (25) are positioned between the power source and the light. A wire (5) links part of the surface and the actuator which is positioned at another location at the surface periphery. The pin has a sliding holder (24) and an inner spring (15). The pin base (21) is clear of the switch (26) when the balloon is inflated, but pushes the switch closed when the balloon is deflated, switching off the electricity. <IMAGE>

Abstract (fr)
Ballon (1) comprenant une enveloppe (2) gonflable par un gaz, susceptible d'être relié au sol par un élément allongé (27) et renfermant un moyen d'éclairage susceptible d'être relié à une source d'énergie électrique, comprenant des moyens d'actionnement (7, 15) sensibles à la déformation de ladite enveloppe et/ou à la pression du gaz dans cette enveloppe et susceptibles d'agir sur un organe d'actionnement (18) de moyens interrupteurs (25) interposés dans la liaison entre lesdits moyens d'éclairage et ladite source d'énergie électrique pour couper/établir cette liaison de part et d'autre d'au moins un seuil déterminé. Lesdits moyens d'actionnement comprennent de préférence deux ressorts en opposition. <IMAGE>

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Citation (search report)

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