

Title (en)

Systems and methods for inflatable avalanche protection with reinflation

Title (de)

Systeme und Verfahren für aufblasbaren Lawinenschutz mit Wiederaufblasmechanismus

Title (fr)

Systèmes et procédés de protection d'avalanche gonflable avec regonflage

Publication

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Application

EP 13181476 A 20130823

Priority

US 201213594224 A 20120824

Abstract (en)

One embodiment of the present invention relates to an avalanche safety system (100) having an inflatable chamber (140), activation system, inflation system (160), and a harness (120). The inflatable chamber (140) is a three-dimensionally, partially enclosed region having an inflated state and a compressed state. The inflated state may form a particular three dimensional shape configured to protect the user from burial and provide flotation during an avalanche. The activation system is configured to receive a user-triggered action to activate the system. The activation system also includes a reinflation algorithm configured to automatically reactivate the inflation system after a period of time to maintain the inflated state of the inflatable chamber. The inflation system may include an air intake (180), battery (166), fan (164), and internal airway channel (168). The inflation system is configured to transmit ambient air into the inflatable chamber.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP3202462A1; EP3146999A1; WO2017137244A1; WO2024047029A1; DE102022123470A1

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