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(54) **Systems and methods for inflatable avalanche protection with active deflation.**

(57) One embodiment of the present invention relates to an avalanche safety system (100) including an inflatable chamber (140), activation system (190), inflation system, and a harness (120). The inflatable chamber 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 impact and/or provide inverse segregation during an avalanche. The activation system is configured to receive a user-triggered action to activate the system. The inflation system is configured to transmit gas into and out of the inflatable chamber to transition between the inflated state and compressed state. The inflation system may automatically deflate or transmit the gas from the inflatable chamber external of the system. Automatic deflation of the inflatable chamber may be via a valve corresponding to a particular value such as time or three dimensional position of the user (200).

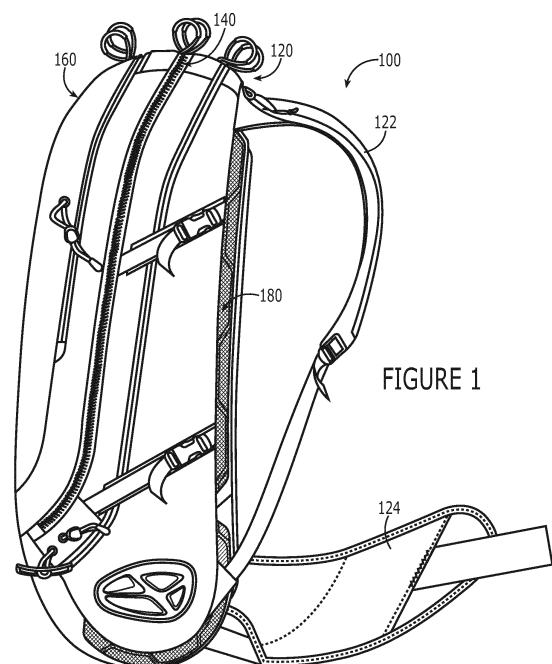


FIGURE 1



EUROPEAN SEARCH REPORT

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 EP 12 19 6973

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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 10 February 2015	Examiner Van De Keere, Isabel
CATEGORY OF CITED DOCUMENTS 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 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 & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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