

Title (en)  
Systems and methods for inflatable avalanche protection with active deflation.

Title (de)  
Systeme und Verfahren für aufblasbaren Lawinenschutz mit aktiver Abblasung

Title (fr)  
Systèmes et procédés de protection d'avalanche gonflable avec dégonflage actif

Publication  
**EP 2604318 A3 20150401 (EN)**

Application  
**EP 12196973 A 20121213**

Priority  
• US 201113324788 A 20111213  
• US 201113324840 A 20111213  
• US 201213598561 A 20120829

Abstract (en)  
[origin: EP2604318A2] 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).

IPC 8 full level  
**A62B 33/00** (2006.01); **A45F 3/04** (2006.01); **A62B 17/00** (2006.01); **A63B 29/02** (2006.01)

CPC (source: EP)  
**A62B 33/00** (2013.01)

Citation (search report)  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2604318 A2 20130619; EP 2604318 A3 20150401; EP 2604318 B1 20200722**

DOCDB simple family (application)  
**EP 12196973 A 20121213**