

Title (en)
AVALANCHE LIFE-PRESERVING JACKET WITH AIRBAG

Title (de)
LEBENSRETTENDE JACKE FÜR LAWINEN MIT LUFTSACK

Title (fr)
GILET DE SAUVETAGE EN CAS D'AVALANCHE COMPORTANT UN SAC GONFLABLE

Publication
EP 1171204 B1 20110323 (EN)

Application
EP 98960649 A 19981202

Priority
US 9825560 W 19981202

Abstract (en)
[origin: WO0032274A1] An avalanche life jacket having an airbag inflatable by a gas release system upon actuation is disclosed. The life jacket provides a torso strap and buckles for attaching the life jacket to the user. Prior to inflation, the airbag is folded and enclosed within the harness. The harness encloses the airbag via an enclosure mechanism which opens during inflation of the airbag to allow the airbag to fully expand. The life jacket further comprises a gas release system which may be automatically actuated by an accelerometer and/or manually actuated by the user's pulling of a release handle. Upon actuation, the gas release system releases gas into and inflates the airbag. The airbag inflates to surround at least the back and sides of the user's head to thereby provide physical protection and a thermal buffer between a portion of the user and the external environment, for example, during and after an avalanche and to facilitate search and rescue of the user after the avalanche. The inflated airbag also provides a buoyant force against the downward force exerted by the current of the avalanche as well as a supply of breathable gas. A hood or mesh is also included to shield the user from the external elements such as snow and thereby facilitate in preventing injury and/or suffocation during a fall or an avalanche.

IPC 8 full level
A62B 33/00 (2006.01)

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

Citation (examination)
• WO 9533389 A1 19951214 - HOYAUKIN PETER [SE]
• GB 2296855 A 19960717 - RICHES DAVID [GB]

Cited by
DE102017120925B3; EP3042586A1; EP3205223A1; US11857815B2; US10092783B2

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AT CH DE ES FI FR GB IT LI

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