

Title (en)  
AVALANCHE TRIGGERING SYSTEM

Title (de)  
LAWINENAUSLÖSESYSYSTEM

Title (fr)  
SYSTÈME DE DÉCLENCHEMENT D'AVALANCHES

Publication  
**EP 4042097 B1 20240306 (FR)**

Application  
**EP 20793766 A 20201008**

Priority  
• FR 1911258 A 20191010  
• FR 2020051772 W 20201008

Abstract (en)  
[origin: CA3153939A1] Disclosed is an avalanche triggering system (2) which comprises a portable unit (3) configured to be carried by an operator, the portable unit (3) comprising a gas storage device (5) configured to store an oxidizing gas and a combustible gas; an explosion unit (4) which is configured to be launched by the operator or transported by a drone and which comprises a flexible casing (26) designed to be filled with an explosive gaseous mixture, the flexible casing (26) being deformable between a resting configuration in which the flexible casing (26) has a first internal volume and an inflated configuration in which the flexible casing (26) has a second internal volume that is greater than the first internal volume, the explosion unit (4) further comprising a firing device (42) configured to trigger the explosion of the explosive gaseous mixture contained in the flexible casing (26); and a control unit (44) configured to remotely control the firing device (42).

IPC 8 full level  
**F42D 3/00** (2006.01); **E01F 7/04** (2006.01)

CPC (source: EP US)  
**E01F 7/04** (2013.01 - EP US); **F42D 3/00** (2013.01 - EP US); **F42D 1/00** (2013.01 - US)

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