

Title (en)
OXYGEN SELF RESCUE DEVICE AND METHOD FOR AN OXYGEN SELF RESCUE DEVICE

Title (de)
SAUERSTOFFSELBSTRETTER UND VERFAHREN FÜR EINEN SAUERSTOFFSELBSTRETTER

Title (fr)
AUTOSAUVETEUR À OXYGÈNE ET PROCÉDÉ POUR UN AUTOSAUVETEUR À OXYGÈNE

Publication
EP 3932493 B1 20230913 (DE)

Application
EP 21180546 A 20210621

Priority
DE 102020117130 A 20200630

Abstract (en)
[origin: CA3118519A1] An oxygen self-rescuer (100) includes a gas cartridge (110), a mouthpiece (120), a tube (130) connecting the gas cartridge and the mouthpiece, a breathing bag (140) hydrodynamically connected to the gas cartridge and to the tube, and a spring assembly (150) within the breathing bag. The spring assembly includes a spring (153) fastened to the breathing bag and/or to the gas cartridge. The spring assembly has a pretensioned spring state in an unused packed-up state of the oxygen self-rescuer. The spring assembly leaves the pretensioned spring state with an externally triggered transition from the unused packed-up state into a use expanded state of the oxygen self-rescuer such that the spring assembly uplifts the breathing bag and generates a vacuum within the breathing bag. The vacuum draws breathable gas into the breathing bag and prepares the breathing bag for a ventilation of a user of the oxygen self-rescuer.

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