

Title (en)

CRASH SAFETY DEVICE HAVING A ROPE DRIVE MECHANISM

Title (de)

ABSTURZSICHERUNGSGERÄT MIT SEILANTRIEBSMECHANISMUS

Title (fr)

DISPOSITIF DE SÉCURITÉ CONTRE LES RISQUES DE CHUTE AVEC MÉCANISME D'ENTRAÎNEMENT DE CÂBLE

Publication

**EP 2237841 B1 20180620 (DE)**

Application

**EP 08708073 A 20080122**

Priority

EP 2008050708 W 20080122

Abstract (en)

[origin: WO2009092438A1] The invention relates to a crash safety device having a safety rope (105) wound onto a drum, a recuperating spring tensioned by the drum during the winding of the rope, and a locking device for blocking the drum from rotation in the rope unwinding direction during the crash of a person secured by the rope. A rope drive mechanism is provided in order to unwind the rope (105) from the drum and to slowly move the rope end having a hook (290) attached thereto toward such that a person can hook onto the safety rope (105). The drive mechanism has a motor (140) driving a rope drive wheel (210) via a freewheel (200) for lowering the rope end having the hook (290). In order to rewind the rope, the motor (140) is operated in a reverse direction of rotation at a controlled rotational speed in order to limit the speed at which the rope (105) is pulled up by the tensioned recuperating spring.

IPC 8 full level

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CPC (source: EP US)

**A62B 1/08** (2013.01 - US); **A62B 35/0093** (2013.01 - EP US)

Citation (examination)

US 5762282 A 19980609 - WOLNER J THOMAS [US]

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