

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 A1 20101013 (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.

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