

Title (en)
APPARATUS FOR BRAKING THE MOVEMENT OF A PERSON THROUGH THE AIR

Title (de)
VORRICHTUNG ZUM ABBREMSEN DER BEWEGUNG EINER PERSON DURCH DIE LUFT

Title (fr)
APPAREIL POUR FREINER LE MOUVEMENT D'UNE PERSONNE DANS L'AIR

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Application
EP 22000038 A 20220222

Priority
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Abstract (en)
Apparatus (2) for braking the movement of a person through the air at a predetermined location after the person (4) has left an elevated position for a lower position, which apparatus (2) comprises:(i) a capstan (10);(ii) a single braking line (12) which extends around the capstan (10); and(iii) braking means (14),and the apparatus (2) being such that:(iv) the braking line (12) has a first end which extends from a first side of the capstan (10); (v) the braking line (12) has a second end which extends from a second side of the capstan (10);(vi) the braking line (12) causes the capstan (10) to rotate consequent upon the movement of the person (4) through the air at the predetermined location;(vii) the rotation of the capstan (10) causes operation of the braking means (14); and(viii) the amount of the braking line (12) extending around the capstan (10) remains constant during the rotation of the capstan (10) consequent upon the person (4) descending from the elevated position to the lower position.

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Citation (search report)
• [X] US 8708109 B2 20140429 - STEELE CHARLES Z [CA], et al
• [X] FR 3033251 A1 20160909 - PAILLARDET [FR]
• [X] US 4538703 A 19850903 - ELLIS J NIGEL [US], et al
• [X] AT 512020 A1 20130415 - UNIV WIEN TECH [AT]
• [A] US 2007240940 A1 20071018 - MORIARTY NICHOLAS [GB]
• [A] WO 03033074 A1 20030424 - MELLER MOSHE [IL], et al
• [A] CN 101972521 A 20110216 - UNIV HANGZHOU DIANZI
• [A] GB 2229630 A 19901003 - KAN HAI CHRISTOPHER

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