

Title (en)
FOLLOW-UP FALL PREVENTION DEVICE

Title (de)
MITLAUFENDE AUFFANGVORRICHTUNG

Title (fr)
DISPOSITIF ANTICHUTE SUIVEUR

Publication
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Application
EP 07848287 A 20070926

Priority
FR 2007001573 W 20070926

Abstract (en)
[origin: WO2009040481A1] The invention relates to a follow-up fall prevention device used with a safety rope (1) for securing a tower worker, a climber or the like. The device of the invention is characterised in that the blocking system comprises: on one side of the rope (1), at least one cavity (5) including in the lower portion thereof at least one free counterweight (7) and defining in the upper portion thereof at least one bearing surface (6) inclined towards the rope (1), the free counterweight being capable, during a controlled running of the rope (1), of being in contact with the rope (1) and remaining in the lower portion of the cavity (5) without touching the inclined bearing surface (6), and said free counterweight (7) being capable, during a fast running of the rope (1) of moving towards the inclined bearing surface (6) until the rope (1) is blocked between the free counterweight (7) and the bearing surface (4) of the rope. The present invention provides a fall-prevention follow-up blocking and descending safety device. It thus provides a back-climbing capability on a fixed rope, a controlled climbing and descent capability along the fixed rope, a descender capability when the user is suspended to the device after a fall or during rappelling, and it can also be used for securing a person, in which case the device is attached to a person on the ground in charge of belay by accompanying the running in the device of the rope attached to the other person.

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