

Title (en)

Energy dissipation loop and dynamic barrier with such energy dissipation loops for arresting rockfall

Title (de)

Energieumwandlungsvorrichtung und dynamischer Auffangzaun für Steinschlag mit solchen Energieumwandlungsvorrichtungen

Title (fr)

Boucle de dissipation d'énergie et barrière dynamique d'arrêt de chûtes de pierres comprenant de telles boucles de dissipation d'énergie

Publication

EP 0877122 B1 20030409 (FR)

Application

EP 98480032 A 19980507

Priority

FR 9705880 A 19970507

Abstract (en)

[origin: EP0877122A1] The barrier for stopping and absorbing the energy of falling rocks comprises a net (10) located between two posts anchored in the ground. It is held by carrying cables (14) connecting the posts to support plates (18) anchored in the ground. A fusible cable has a reduced elasticity and a modulus of elasticity less than the carrying cable. This cable has at each end locking device connecting the fusible and carrying cable assembly so that at rest the length of the fusible cable between the locking device is less than the length of the carrying cable. Each of the locking device lock the fusible cable on the carrying cable after the latter has been subjected to a traction force due to the fall of rocks. The fusible cable subsequently undergoes a traction force along its length following which it ruptures.

IPC 1-7

E01F 7/04

IPC 8 full level

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CPC (source: EP)

E01F 7/045 (2013.01)

Cited by

EP2711461A1; CH701591B1; EP1469130A1; FR3045682A1; EP3330439A1; CH713179A1; EP1840269A1; FR2899251A1; EP1130166A3; EP2174892A1; FR2936786A1; US11391005B2; EP1156158A1; WO2017103385A1; WO0114646A1; WO2009052950A1; WO2022035508A1

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