

Title (en)

SAFETY DEVICE WITH CABLE OR ROPE CUTTING IN AN EXPLOSIVE ENVIRONMENT

Title (de)

SICHERHEITSVORRICHTUNG MIT KABEL- ODER SEILDURCHTRENNUNG IN EINER EXPLOSIVEN UMGEBUNG

Title (fr)

DISPOSITIF DE SECURITE A DECOUPE DE CABLE OU CORDAGE EN MILIEU EXPLOSIBLE

Publication

**EP 2349660 A1 20110803 (FR)**

Application

**EP 09755935 A 20091023**

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- FR 0957416 A 20091022

Abstract (en)

[origin: WO2010046569A1] The present invention relates to a device for automatically and autonomously releasing a mechanical cable or rope (4) connection between two elements, in a zone having explosive atmospheric conditions, comprising: a mechanical assembly (11) in the form of an enclosure (21) which can be traversed by a cable or rope (4) and which contains at least one sectioner comprising a chisel (25) associated with an anvil (20) and means for moving the chisel (25) with respect to the anvil in order to cut the cable or rope (4), means (15A, 15B, 15C) for positioning the cable or rope (4) making it possible to pass the cable or rope (4) between the anvil (20) and the chisel (25), and means (16) for measuring the tension of the cable or rope (4); the control means (12) making it possible to automatically trigger the sectioner. The chisel (25) and preferably the anvil (20) are made of an anti-spark material, particularly of a beryllium-copper (Be-Cu) alloy.

IPC 8 full level

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