

Title (en)

DEVICE FOR CUTTING/SHORTENING OF CABLES, PIPES ETC.

Title (de)

VORRICHTUNG ZUM SCHNEIDEN/KÜRZEN VON KABELN, ROHREN USW.

Title (fr)

DISPOSITIF DE DECOUPE/RACCOURCISSEMENT DE CABLES, TUYAUX, ETC.

Publication

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Application

**EP 99941918 A 19990901**

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Abstract (en)

[origin: WO0013832A1] The present invention relates in general to a device for cutting or closing cables, wires, pipes and the like, wherein the cutting of the negative and/or positive cable in a vehicle is described as a suitable area of utilisation, wherein the driving power for the cutting or closing operation is constituted by an explosive material which is actuated by an external impulse. The device is characterised in that it comprises an actuating means which transmits an electrical impulse to an explosive material (2) provided in a combustion chamber (I), a piston (3) mounted in a cylinder arranged beneath the combustion chamber, which at the end facing away from the combustion chamber bears a cutting or closing edge (13), wherein the unit comprising combustion chamber (I) and cylinder with piston (3) is fastened to an insulating part (II) which encircles the cable and comprises a cable holder (9). Around the cable, in one of the embodiments described, there is arranged a cable ejector (6) which is in contact with an overpressure channel (4) and which abuts against the insulating part (II) of the device above a pretensioned spring (5). In a disclosed second embodiment, the cross-sectional area of the insulating part (II) is different vis-à-vis the cable or pipe (7) on each side of the cutting or closing plate (11), and on one side the cable is keyed to the insulating part (II) whilst on the other side it is free. Release of overpressure that is guided towards the free cable end via said overpressure channel (4) alone conducts the ejection of the free cable end.

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