

Title (en)
ACTIVATION UNIT FOR EXPLOSIVE MASSES OR EXPLOSIVE BODIES

Title (de)
AKTIVIERUNGSEINHEIT FÜR WIRKMASSEN BZW. WIRKKÖRPER

Title (fr)
UNITÉ D'ACTIVATION POUR MASSES ACTIVES OU CORPS ACTIFS

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Abstract (en)
[origin: WO2010127762A1] The invention relates to an activation unit (1) for explosive masses or explosive bodies (3), characterized by an ejector tube (2) and high-performance heating elements (4) mounted around the ejector tube (2), each made of at least one heating wire (6) supplied with electrical power by a control unit. Each heating wire (6) is enclosed in a jacket (7) and at least embedded in a material minimizing heat loss. When the explosive body (3) is passed through the activation unit (1), the jacket surface of the explosive body (3) contacts the individual elements (4) of the activation unit (1) in a direct or non-contact manner. The thermal energy is transferred to the explosive body (3) by means of the heating wires (6), and said body ignites at the contact points. A further activation unit (1', 1'') comprises heating elements (10, 10') in the ejector tube (2', 2'') at least partially fed longitudinally through the ejector tube (2', 2'') made of heating wire (14) clad with CrNi steel (11) and contact tabs (13) soldered thereto.

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