

Title (en)  
METHOD FOR SETTING AND IGNITING A CHARGE OF EXPLOSIVES FOR GEOLOGICAL INVESTIGATIONS AND EXPLOSIVE DEVICE ASSOCIATED THEREWITH

Title (de)  
VERFAHREN ZUM SETZEN UND ZÜNDEN EINER SPRENGLADUNG FÜR GEOLOGISCHE UNTERSUCHUNGEN UND SPRENGVORRICHTUNG

Title (fr)  
PROCEDE DE POSE ET D'AMOR AGE D'UNE CHARGE EXPLOSIVE POUR DES EXPLORATIONS GEOLOGIQUES ET DISPOSITIF EXPLOSIF ASSOCIE

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Application  
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Abstract (en)  
[origin: US6520089B1] A method for setting and igniting a charge of explosives for geological investigations, comprising the following steps: a hole (14) is drilled in the ground (12) which is to be investigated; an explosion chamber (22) is hollowed out, whereby said explosion chamber has an expanded form in relation to the bore hole (14) at the end of said bore hole (14); an ignition element (34) and an explosive container (36) containing an explosive in a protective blister (54) surrounding the ignition element are lowered down into the explosion chamber (22); the explosive (42) is pressed out of the explosive container (36) into the explosive chamber (22) and the ignition element (34) is ignited. In comparison with conventional methods, the inventive method provides for a considerably smaller diameter of bore hole, whereby said bore hole is substantially easier to drill.

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