

Title (en)

METHOD AND DEVICE FOR CRUSHING ROCK

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ZERKLEINERN VON GESTEIN

Title (fr)

PROCEDE ET DISPOSITIF DE CONCASSAGE DE ROCHE

Publication

**EP 1029151 A1 20000823 (EN)**

Application

**EP 98954841 A 19981106**

Priority

- NL 9800642 W 19981106
- NL 1007467 A 19971106

Abstract (en)

[origin: WO9924694A1] Method for crushing rock comprising the generation of a shock wave with a preprogrammed form, strength and length of time for crushing rock. The preprogrammed form, strength and length of time are generated by means of pulsed electric energy. One or more sparking plugs, at least two electrodes or a wire conductor are used for generating the shock wave. Method for underwater dredging in which such a method is used. The shock wave has such a preprogrammed form, strength and length of time that the crushing of rock produces a desired size of pieces. Device for crushing rock comprising a wire conductor, means for bringing the wire conductor in the proximity of the rock and a device for supplying pulse-shaped electric energy to the wire conductor, with a quantity to have the wire conductor exploded for generating a shock wave with a preprogrammed form, strength and length of time for crushing rock. Manipulator to be used in a device for repetitively supplying new wire conductor. Assembly of a housing and a wire conductor or sparking plug placed therein, further comprising means for supplying pulsed electric energy to the wire conductor or sparking plug for generating a shock wave with a preprogrammed form, strength and length of time, the wire conductor or the sparking plug and the housing having such a configuration that the shock wave is aimed.

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IPC 8 full level

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CPC (source: EP)

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