

Title (en)
PLURALLY PROTECTED UNDERWATER FUSE

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Application
EP 80105274 A 19800904

Priority
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Abstract (en)
[origin: US4369709A] An underwater ignition device is provided comprising a rotor, a detonator disposed at the rotor, a locking pin secured in position by a safety pin, a release pin maintained in position by the locking pin, a first water pressure safety device normally engaging the rotor and preventing a rotating motion of the rotor into an ignition position and a second water pressure safety device actuatable after the locking pin is removed and after the first water pressure safety device has been actuated and capable of actuating the release pin for rotating the rotor into an ignition position. An ignition circuit employed comprises a digital logic connected to an analog receiver, dual driver stages connected to the digital logic, parallel discharge circuits connected to the dual driver stages and to a detonator and the voltage supply and suitable for selectively igniting the detonator or for short circuiting the voltage supply. The digital logic actuates two discharge circuits in successive time intervals (t1,t2,t3) depending on two frequency and time correlated input signals.

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