

Title (en)  
PLURALLY PROTECTED UNDERWATER FUSE

Publication  
**EP 0026348 B1 19850424 (DE)**

Application  
**EP 80105274 A 19800904**

Priority  
• DE 2939700 A 19790929  
• DE 2939711 A 19790929

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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IPC 8 full level  
**F42B 22/04** (2006.01); **F42C 11/00** (2006.01); **F42C 14/04** (2006.01); **F42C 15/40** (2006.01)

CPC (source: EP US)  
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**EP 0026348 A2 19810408**; **EP 0026348 A3 19820512**; **EP 0026348 B1 19850424**; DE 3070553 D1 19850530; DK 150260 B 19870119;  
DK 150260 C 19871005; DK 406280 A 19810330; US 4369709 A 19830125; US 4478149 A 19841023

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**EP 80105274 A 19800904**; DE 3070553 T 19800904; DK 406280 A 19800926; US 19042080 A 19800924; US 42424882 A 19820927