

[54] **ELECTRIC ANTI-SHARK DART**

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[57]

ABSTRACT

A cylindrically-shaped casing is releasably carried on a spear shaft and houses a source of electric power delivering either a DC or an AC signal to an outwardly extending blade-shaped electrode at one end, and to a plug-shaped electrode on the casing's opposite end. Upon launching the spear shaft and embedding the blade electrode into a shark or similar marine predator, a concentrically-disposed sleeve mounting a magnet is longitudinally displaced along the casing to actuate a magnet-operated reed switch carried within the casing. In an alternative embodiment a pair of spring-biased contacts are substituted for the reed switch. The contacts extend through the casing and are electrically isolated from each other and the surrounding sea water by a removable insulating cap. An electric current, provided by the source of electric power, passes in a completed circuit from the plug-shaped electrode, through the surrounding seawater, into the shark's body and returns via the blade-shaped electrode. When sufficient current is present, an involuntary muscular reaction is induced in incapacitating the shark without creating noise or bloodying the water that often attracts other sharks.

2 Claims, 4 Drawing Figures

