

**Submission  
No 34**

# **MANAGEMENT OF SHARKS IN NEW SOUTH WALES WATERS**

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## INQUIRY INTO MANAGEMENT OF SHARKS IN NSW WATERS

### Terms of Reference C, D, & E:

**Tourniquets are viable life-saving devices that have been proven to be safe, and effective.** Recent studies by the U.S. military in Iraq and Afghanistan have shown that the application of a tourniquet provides a person with a **96% survival rate** ([Kragh et al, 2006](#)). Given that a person can bleed to death in as little as 3 minutes, and that they enter hypovolemic shock when they lose only 20% of their blood, the application of a tourniquet is not only advocated it should be compulsory. Surf Rescue personnel can be trained in their use in a matter of minutes, as the **TGA** classifies them as class one (low risk) medical devices. Therefore, I propose that NSW introduce the use of tourniquets to control hemorrhaging as part of the NSW Shark management strategy.

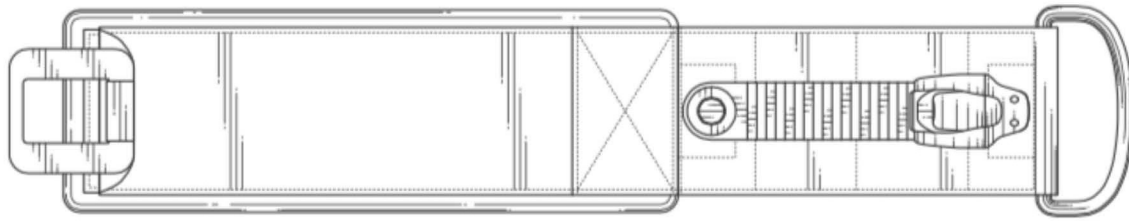
**OMNA Inc.** is the only company that makes tourniquets designed for use in the ocean & water (*U.S. & International Patents Pending*). All other tourniquets do not meet the specifications necessary for saltwater exposure. OMNA makes two forms of tourniquets designed specifically for ocean and water environments. The first is an **Amphibious Tourniquet** that can be worn by a person on their body, or their equipment. The second is a **Tourniquet Leg Rope** for surfing. Given that divers, spear fishermen, surfers, and body boarders are the predominate victims the mandated use of tourniquets should be part of the NSW strategy. At a minimum it will turn fatal attacks or accidents into non-fatal attacks or incidents, and their psychological safety should have an indirect positive uptake effect on NSW tourism as well.

The method of operation, details, and Illustrations of both tourniquets are contained in the accompanying pages. The tourniquets utilize ratcheting buckles and ladder straps that are configured into the webbing of the devices. The user simply pulls the webbing strap tight around their limb and then lifts the lever of the ratcheting buckle to stop bleeding rapidly, safely, and more effectively than makeshift materials.

### 2-Step Operation:

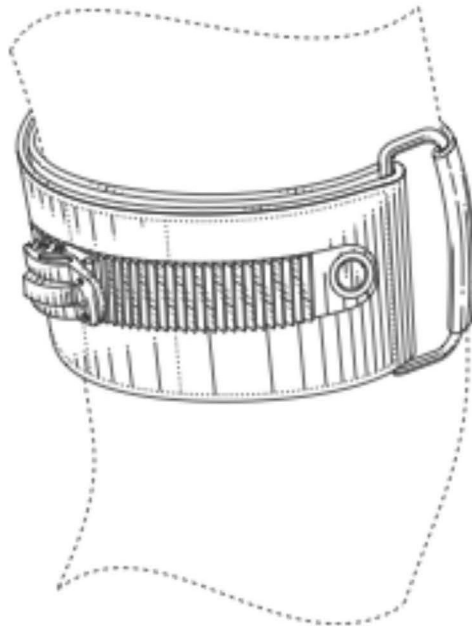
- 1. Pull** (Tourniquet from storage compartment & loop through d-ring and Velcro in place).
- 2. Lift** (Ratchet buckle until bleeding stops).

(Seek medical attention immediately).



**Amphibious Tourniquet:**

- Has mechanical advantage for tightening.
- Can be secured in place.
- Sufficient width to not cause additional tissue/nerve damage.
- Safe and efficient in life saving.
- Ideal for beach goers, surf rescue, divers, fishing, boating, etc.
- Can be worn on a persons body, or secured to surf rescue buoy, or other equipment easily.
- Adult & Pediatric sizes.
- Patent Pending



**Tourniquet Leg Rope:**

- Mechanical advantage for tightening.
- Can be secured in place.

- Sufficient width to not cause additional tissue/nerve damage (Unlike leg ropes)
- Safe, easy to use, and efficient.
- Eliminates need to try to make a tourniquet from whatever a person can find.
- Adult & Pediatric sizes.
- Patent Pending

I look forward to discussing and contributing to your shark management strategy. I have personally enjoyed NSW waters myself during my tenure at University while I resided in Australia, and I would like to help keep people safe and save lives.

Cheers,

Carson Henderson  
CEO / Founder



OMNA