



THE VITAL AQUA PROTECT SYSTEM (V.A.P.) FOR FUN AND SAFETY IN THE WATER

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EVERY YEAR WE ENJOY ENDLESS FUN IN THE WATER

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EVERY YEAR THE NUMBER OF AVOIDABLE ACCIDENTS IS GROWING...

Unfortunately, most drowning victims are children!

"...accidental drowning accounted for 91% total U.S. deaths reported in children with an ASD ages 14 and younger subsequent to wandering/elopement." (National Autism Association)

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...WHICH COULD BE PREVENTED FROM HAPPENING!

According to a WHO study, worldwide one individual drowns every minute.

- Most drowning victims are children under the age of 10.
- Drowning accidents are the main cause of death for children up to the age of 3½ years.

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THE SOLUTION: THE VITAL AQUA PROTECT SYSTEM (V.A.P.)

THE VITAL AQUA PROTECT SYSTEM (V.A.P.) SWIMSUIT HAS 3 LIFE-SAVING FUNCTIONS

- 1 Immediate detection of an emergency situation (both sinking as well as certain physiological parameters).
- 2 The drowning person is brought into a safe position at the water's surface by means of buoyancy aids which facilitate unrestricted breathing.
- 3 Simultaneous transmission of emergency and location signals for recovery and rescue.

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SAFE FUN WITHOUT RESTRICTIONS

Design specifications are only restricted slightly.

· The swimsuit differs only slightly from traditional swimwear.

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THE MARKET

In Europe and the U.S. there are approx. 200 million children between the ages 2 and 12. A conservative estimate of a 1% market potential would mean an annual demand of around 2 million swimsuit units.

Opinion polls of parents show a significant potential for

- Beginning swimmers
- Children who play in or near water

(e.g., swimming pools, lakes, rivers, or at ocean beaches)

The market potential increases automatically by the children's growth:
small swimsuits will have to be replaced by bigger ones

- However, the integrated V.A.P.-sensors are designed to be exchanged between swimsuits of different sizes.

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FURTHER V.A.P. MARKETS

In the future, the market for the Vital Aqua Protect System (V.A.P.) technology could be expanded up by introducing modified versions for other users.

For example, life vests are used around the world to protect people at sea. The potential for those on sport boats, yachts, commercial-, cruise ships, and even military sea vessels.

In addition, the system could possibly be adapted for use in commercial and military aircraft.

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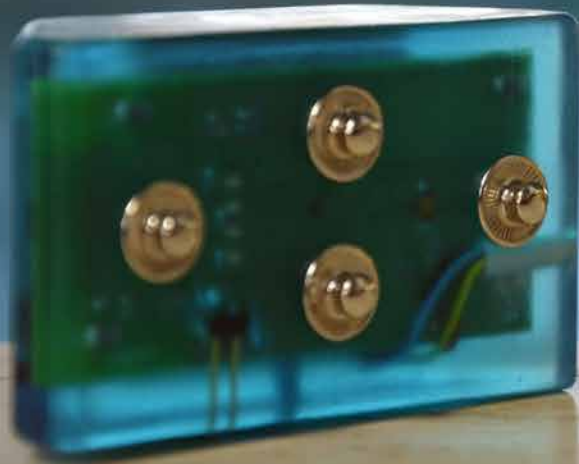


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V.A.P. SYSTEM COMPONENTS + SYSTEM ANALYSIS

The V.A.P. system comprises 6 components that are integrated into the swimsuit:

1. Pulse rate sensor
2. Breathing sensor
3. Position sensor
4. Pressure sensor
5. Water sensor
6. GPS tracking



Evaluation algorithms automatically activate the rescue system and the alarm as well as inflate the autonomous air pockets.

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OUR ACHIEVEMENTS SO FAR...

- A European patent was granted in May 2008 for the VitalAqua-Protect-System (V.A.P.) with Patent No.: EP 1 918 191 A1
 - In 2009, national patent procedures commenced in 9 European and 5 international countries such as the U.S.A., Japan, China, Brazil, and Australia
 - In February 2010, building of the second prototype was completed. The "black box" size is now only 60 × 30 × 10 mm (2.4 × 1.2 × 0.4 inches)
- This system is currently in the trial phase
- Medical examinations and mass screenings are being prepared or have been initiated to validate the V.A.P.



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