

US03042A-Provisional Draft (WH)

Sunday, March 04, 2012
4:44 AM

Title :	PORTABLE WATER HEATER ON DEMAND
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Article of Manufacture : DOLPHIN 5

The present invention DOLPHIN 5 is a small compact portable water heater, the present invention is intended to be used in geographically remote areas without available AC electricity.

This invention operates by the usage of a dc battery and is anticipated to be used in an emergency situation whereas, the AC electricity is not working but there is a car or mobile heavy equipment that is parked nearby, and can be used as a source of power for the portable water heater of the present invention DOLPHIN 5.

Furthermore, the usage of the product of the present invention is not dependent upon the availability of a dc battery storage component and has installed releasably, solid fuel rods that can be easily ignited by an external source of a flame from fire, and in turn produce thermal heat energy into the available water supply. DOLPHIN 5 produces heat sufficient to sterilize the water and provide safe water to drink as well as shower water or hot scalding water for cooking purposes.

Many water heaters of many types have been reviewed but none have the claimed potential of the DOLPHIN 5 features.

I claim the ornamental art value of the present design of DOLPHIN 5 as herein further specified as the work and result of my efforts.

Feature Claims:

- 1) Disassembles in 5 major parts. (D)
- 2) Operates from a car battery or, a flic of a bic, (fire flame) i.e. solid fuel. (O)
- 3) Lightweight by comparison of operational value, 17.25"long x 6"diameter & 8lbs. (L)
- 4) Produces hot water on demand very quickly. (P)
- 5) Health benefit i.e. purifies water to a drinkable state. (H)
- 6) Installs easily in line to existing house plumbing. (I)
- 7) Need, from a result of an emergency situation, i.e. natural disaster. (N)

Specification Brief:

There are many people today suffering from the extreme high cost of fuel oil and possibly in harms way due to the potential of being without useable energy for heat to stay alive and to cook food safely and quickly. Notwithstanding the personal hygiene needs of civilized peoples.

The present invention DOLPHIN 5 allows those people the choice of having hot water from a mobile dc power source and to satisfy their heat needs in a mobile frame of surviving.

This text read in conjunction with viewing the drawings A thru H should be sufficient as to relay in specific the intended benefits of the present invention.

Referring to the Drawings;

A = 1, O502282A

Tracking # Clarification O5 means Octagon 5 file, 02282 = the date 02/28 201(2), and A is the first drawing for that file. All files go from A to Z.

A = O502282A - HE-Block. This is an elevated end view of the Heat Exchanger Block of the present invention.

B = O502282B - sub to D502282B - HE block internal passage map. *

C = O502282C - sub to D502282C - HE block Outer Cooling map.

Starting Dolphin file 02/29/2012

A = D502292A - Elevational side view of anticipated article of manufacture DOLPHIN 5.

B = D502292B - Cold = blue, Hot = red, elevational side view Heat Exchange Paths.

C = D502292C - Elevational end view of cut paths to multiply individual heat cells.

D = D502292D - Single Chamber claim. *

E = D503042E - Modified Single Chamber for cascading claim. *

F = D503042F - Single Chamber Modified and cascaded as a twin set. *

G = D503042G - Cascading Plates used on Modified series.

H = D503042H - Copper Sink plate used to assemble Single Chamber HE into multiple.

I would appreciate if John R. Flanagan would prepare a Provisional Patent Document for the artistic design & pattern within the HE Block. Since this present

invention as described is an "Article Of Manufacture" and would be difficult to make function correctly if copied without using the exact same pattern as found within the * drawings.

Question for John R. Flanagan : If a person files and receives a design patent for the artistic design can the inventor(s) follow up with a Utility Patent Application also?

A design patent is usually issued quicker than a utility patent, they cost much less and this invention seems appropriate however I am going to delay my choice until we know from John.

The drawings referenced can be found in the drawing file Dolphin 5 located in the documents library of the Restricted page @deighta.com . Also there are other drawings explained in the files Dolphin Introduction and Modified in the same Library.