

We Claim:

1. A hydrogen harvesting ship, comprising:
 - a hydrogen tank;
 - a hydrogen transfer hose fluidly connected to the hydrogen tank;
 - a hose conveyance vehicle comprising at least one thruster and adapted to reposition a first end of the hydrogen transfer hose;
 - wherein the hose conveyance vehicle is adapted to fluidly connect said hydrogen transfer hose to a submerged hydrogen output port of a buoyant hydrogen production platform.
2. The hydrogen harvesting ship of Claim 1, wherein the hose conveyance vehicle further comprises an electromagnet for attracting to a hull of the buoyant hydrogen production platform.
3. The hydrogen harvesting ship of Claim 1, wherein the hose conveyance vehicle further comprises powered wheels adapted to ride on a hull of the buoyant hydrogen production platform.
4. The hydrogen harvesting ship of Claim 1, further comprising a rotating spool adapted to retract a portion of the hydrogen transfer hose.
5. The hydrogen harvesting ship of Claim 1, wherein the hose conveyance vehicle is operated remotely.

6. The hydrogen harvesting ship of Claim 1, wherein the hose conveyance vehicle is an unmanned underwater vehicle.
7. The hydrogen harvesting ship of Claim 1, further comprising a hydrogen tank manifold adapted to transfer hydrogen from the hydrogen transfer hose to a plurality of hydrogen tanks.
8. An actively self-repositioning chemical fuel conduit comprising:
 - a chemical fuel hose;
 - a remotely operated vehicle coupled to a first end of the chemical fuel hose, the remotely operated vehicle comprising at least one thruster; and
 - an attachment port at the remotely operated vehicle;wherein the remotely operated vehicle is configured to pull the chemical fuel hose through water for attachment of the attachment port to a submerged chemical fuel port of a buoyant chemical fuel production platform.
9. The actively self-positioning chemical fuel conduit of Claim 8, wherein the remotely operated vehicle further comprising an electromagnet configured for attachment to a hull of the buoyant chemical fuel production platform.
10. The actively self-positioning chemical fuel conduit of Claim 8, further comprising powered wheels adapted to ride on a hull of the buoyant chemical fuel production platform.
11. The actively self-positioning chemical fuel conduit of Claim 8, wherein the attachment port is adapted to provide a gas-tight connection for receiving hydrogen gas.

12. The actively self-positioning chemical fuel conduit of Claim 8, wherein the chemical fuel hose is positively buoyant.
13. The actively self-positioning chemical fuel conduit of Claim 8, wherein the remotely operated vehicle is powered by electricity transmitted over a tether that also carries the chemical fuel hose.
14. A method for producing and transporting chemical fuel, comprising:
 - placing into a body of water a floating wave energy conversion vessel having a chemical fuel synthesizer and a chemical fuel export port;
 - placing into the body of water a chemical fuel harvesting vessel having a chemical fuel storage apparatus, a chemical fuel-receiving-hose, and a chemical-fuel-receiving-hose connection vehicle, wherein the chemical-fuel-receiving-hose connection vehicle includes at least one thruster and is adapted to transport a first end of the chemical fuel receiving hose;
 - synthesizing a chemical fuel onboard the floating wave energy conversion vessel with energy captured from ocean waves;
 - steering the chemical-fuel-receiving-hose connection vehicle to the chemical fuel export port;
 - fluidly connecting the chemical fuel receiving hose to the chemical fuel export port using the chemical-fuel-receiving-hose connection vehicle; and
 - transferring the chemical fuel from the floating wave energy conversion vessel to the chemical fuel storage apparatus through the chemical fuel receiving hose.
15. The method of Claim 14, wherein the chemical fuel is hydrogen gas.

16. The method of Claim 14, further comprising transferring water from the chemical fuel harvesting vessel to the floating wave energy conversion vessel.
17. The method of Claim 16, wherein the water is transferred from the chemical fuel harvesting vessel to the floating wave energy conversion vessel via the chemical fuel-receiving-hose.
18. The method of Claim 14, wherein the receiving station is a seaport.
19. The method of Claim 14, wherein the receiving station is a floating ocean platform.
20. The method of Claim 14, wherein the receiving station is a hydrogen-powered ship.
21. The method of Claim 14, wherein the chemical-fuel-receiving-hose connection vehicle is remotely steered to the chemical fuel export port.
22. The method of Claim 14, wherein the chemical-fuel-receiving-hose connection vehicle is steered to the chemical fuel export port autonomously by an onboard computer system.
23. The method of Claim 14, wherein the chemical-fuel-receiving-hose connection vehicle is steered to the chemical fuel export port by electromagnetic control signals received by satellite.

24. The method of Claim 14, wherein the chemical-fuel-receiving-hose connection vehicle is steered to the chemical fuel export port by electrical control signals transmitted over a tether.
25. The method of Claim 24, wherein the tether includes the chemical fuel receiving hose.
26. The method of Claim 14, wherein the chemical fuel synthesizer is an electrolyzer for evolving hydrogen gas.
27. The method of Claim 14, wherein the chemical-fuel-receiving-hose connection vehicle is an unmanned underwater vehicle.