What is claimed is:

1. A fluid pump assembly, comprising:

    a. an outer mount comprising a first permanent magnet;

    b. an inner mount comprising a second permanent magnet; and

    c. a pump comprising a housing containing an inner plate having a soft magnetic material, a rotor body, and a stator configured to interact with the rotor body to rotationally drive the rotor body, the inner plate disposed between the rotor body and the inner mount, wherein

    the inner mount is configured to be ~~position~~positioned on a first side of a wall of a container,

    the outer mount is configured to be ~~position in opposing relationship to the inner mount~~positioned on an opposite second side of the wall of the container and in opposing relationship with the inner mount,

    the pump is positioned in an abutting relationship with the inner mount~~,~~ such that the first permanent magnet, the second permanent magnet, and the inner plate~~,~~ collectively establish a magnetic circuit a having sufficient strength to mount and hold the outer mount, the inner mount, and the pump in place on ~~the opposite~~respective sides of the wall of the container without mechanical support~~.~~,

    the housing comprises an outer cover, a stator outer shell connected to the outer cover, a stator inner shell integrally connected to the stator outer shell, and a rear cover connected to the stator outer shell,

wherein the stator outer shell has fluid inlets and the outer cover has fluid outlets, the fluid inlets of the stator outer shell and fluid outlets of the outer cover are fluidly connected by a channel to sustain a flow of fluid therethrough.

2. The fluid pump assembly of claim 1, wherein the first permanent magnet comprises a plurality of magnets comprising a hard magnetic material.

3. The fluid pump assembly of ~~claims~~claim 1 ~~or 2~~, wherein the outer mount further comprises an outer plate having a second soft magnetic material.

4. The fluid pump assembly of ~~any one of claims 1~~ claim 3, wherein the outer plate and the first permanent magnet are contained in an outer mount housing.

5. The fluid pump assembly of ~~any one of claims 1-4~~claim 1, wherein the inner mount further comprises an inner mount housing enclosing the second permanent magnet.

6. The fluid pump assembly of ~~any one of claims~~claim 1 ~~5~~, wherein the second permanent magnet comprises a plurality of magnets comprising a hard magnetic material.

7. The fluid pump assembly of ~~any one of claims~~claim 1 ~~6~~, wherein the outer mount or the inner mount further comprises a friction layer configured to be ~~position~~positioned adjacent to the wall of the container.

~~8. The fluid pump assembly of any one of claims 1-7, wherein the pump comprises a rotor body and a stator configured to interact with the rotor body to rotationally drive the rotor body, wherein the inner plate is positioned between the stator/rotor body and the inner mount.~~

~~The fluid pump assembly of any one of claims 1-8~~
~~9.~~8. The fluid pump assembly of claim 1, wherein the rotor body comprises rotor magnets received in an annular compartment, and blades configured for causing the flow of fluid through the pump.

~~10.~~9. The fluid pump assembly of ~~any one of claims~~claim 1~~-9~~, wherein the rotor body contains rotor magnets in an annular ~~compartments~~compartment.

~~11.~~10. The fluid pump assembly of ~~any one of claims~~claim ~~1~~-~~10~~ 8, wherein the pump further comprises an electricity connection to provide electricity to the stator.

~~12.~~11. The fluid pump assembly of ~~any one of claims~~claim 1~~-12~~, wherein the soft magnetic material is steel.

~~13.~~ The fluid pump assembly of ~~any one of claims~~claim 1~~-12, wherein the pump comprises a housing containing a rotor body and a stator configured to interact with the rotor body to rotationally drive the rotor body, wherein the inner plate is located between the rotor body and the inner mount.~~

~~14. The fluid pump assembly of any one of claims 1-13, wherein the housing comprises an outer cover, a stator outer shell connected to the outer cover, a stator~~

~~inner shell integrally connected to the stator outer shell, and a rear cover connected to the stator outer shell, wherein the stator outer shell has fluid inlets and the outer cover has fluid outlets, the fluid inlets and fluid outlets are fluidly connected by a channel for the flow of fluid therethrough.~~

~~15.~~12. ~~The fluid pump assembly of any one of claims 1-14~~, wherein the pump is angularly adjustable relative to the inner mount.

~~16.~~13. The fluid pump assembly of ~~any one of claims 1-15~~claim 12, wherein the inner mount comprises a concave surface, and the pump comprises a convex surface, the convex surface of the pump abuts the concave surface of the inner mount.

~~17. A container, comprising:~~

~~a. side walls defining an interior;~~

~~b. an inner mount comprising a first permanent magnet, the inner mount positioned inside the container on one of the side walls;~~

~~c. an outer mount comprising a second permanent magnet positioned outside the container in opposing relationship to the inner mount;~~

~~d. a pump comprising an inner plate having a soft magnetic material, the inner plate is magnetically held in abutting relationship with the inner mount without mechanical support,~~

~~wherein the first magnet, the second magnet, and the soft magnetic material, collectively establish a magnetic circuit having sufficient~~

~~strength to mount and hold the outer mount, the inner mount, and the pump in place on the opposite sides of the wall without mechanical support.~~

~~18. The container of claim 17, wherein the container is an aquarium tank.~~

~~19. The container of either of claims 17 or 18, further comprising a liquid in the interior and the pump is submerged in the liquid.~~

~~20. The container of any one of claims 17-19, wherein the pump is angularly adjustable relative to the inner mount.~~

~~21. The container of any one of claims 17-20, wherein the inner mount comprises a concave surface, and the pump comprises a convex surface, the convex surface abuts the concave surface.~~

~~22.~~14. A fluid pump assembly, comprising:

a. an outer mount comprising a first permanent magnet;

b. an inner mount comprising a second permanent magnet; and

c. a pump comprising:

i. a housing having an outer cover, a stator outer shell connected to the outer cover, a stator inner shell integrally connected to the stator outer shell, and a rear cover connected to the stator outer shell, wherein the stator outer shell has fluid inlets and the outer cover of the housing has fluid outlets, the fluid inlets and fluid

outlets are fluidly connected by a channel for the flow of fluid therethrough,

~~ii.~~ ii. a rotor body locating in the housing and having rotor magnets received in an annular compartment, and blades that are configured for causing the flow of fluid through the pump, ~~and~~

~~iii.~~ iii. a stator locating in the housing and configured to interact with the rotor body to rotationally drive the rotor body for causing the flow of fluid through the fluid ~~inlet~~inlets to the fluid ~~outlet, wherein~~outlets, and

~~the~~iv. an inner plate ~~is~~ positioned behind the rear cover and between the stator/rotor body and the inner mount, wherein

the inner mount is configured to be ~~position~~positioned on a first side of a wall of a container,

the outer mount is configured to be ~~position in opposing relationship to the inner mount~~positioned on an opposite second side of the wall of the container and in opposing relationship with the inner mount,

the inner plate is positioned in an abutting relationship with the inner mount, such that the first magnet, the second magnet, and the ~~soft magnetic material,~~inner plate collectively establish a magnetic circuit having a sufficient strength to mount and hold the outer mount, the inner mount, and the pump in place on the ~~opposite~~respective sides of the wall of the container without mechanical support.

~~23. A method for mounting a fluid pump assembly, comprising the steps of~~

~~a. providing a wall having a first side and a second side opposing the first side;~~

~~b. positioning an inner mount on the first side of the wall, the inner mount comprising a first permanent magnet;~~

~~c. positioning an outer mount on the second side of the wall in opposing relationship to the inner mount, the outer mount comprising a second permanent magnet; and~~

~~d. positioning a pump in abutting relationship with the inner mount, the pump comprising an inner plate having a soft magnetic material, wherein the first magnet, the second magnet, and the inner plate, collectively establish a magnetic circuit having sufficient strength to mount and hold the outer mount, the inner mount, and the pump in place on the opposite sides of the wall without mechanical support.~~

~~24. The method of claim 23, including the step of angularly adjusting the pump relative to the inner mount.~~