Claims

1. A method of priming a drainage apparatus for siphoning liquid between first and second reservoirs, the apparatus including a conduit arrangement having a first opening disposed in the first reservoir, a second opening disposed in the second reservoir and a liquid injection inlet arranged between the first and second openings, and at least one valve for controlling flow of the liquid along the conduit arrangement, wherein the conduit arrangement includes a plurality of conduits arranged in fluid communication, and the plurality of conduits include first and second conduits respectively configured with the first and second openings, a portion of the first and second conduits being positioned at a same liquid level, the method comprising:

directing liquid into the conduit arrangement via the liquid injection inlet to fill up most of the conduit arrangement as controlled by the valve's configuration;

directing liquid into the first reservoir to enable more liquid to enter into the conduit arrangement via the first opening and to flood the conduit arrangement to form a continuous liquid flow path which extends from the first opening up to at least the second opening, the continuous liquid flow path creating a siphon; and

with the first opening kept below the liquid's surface level in the first reservoir, stopping the flow of liquid into the first reservoir to achieve a state of equilibrium of the siphon to prime the conduit arrangement,

whereby after the priming and in use, the siphon is triggered when more liquid is added into the first reservoir which causes the added liquid to be siphoned to the second reservoir via the primed conduit arrangement.

2. The method of claim 1, wherein prior to directing liquid into the first reservoir, further comprising releasing air trapped in the mostly filled conduit arrangement.

3. The method of claim 1, wherein prior to directing liquid into the conduit arrangement, further comprising configuring the at least one valve to enable the conduit arrangement to be mostly filled.

~~4. The method of claim 1, wherein the conduit arrangement includes a plurality of conduits arranged in fluid communication.~~

~~5. The method of claim 1, wherein the conduit arrangement includes a single integral conduit.~~

46. A drainage apparatus for siphoning liquid between first and second reservoirs, the apparatus comprising:

a conduit arrangement having a first opening disposed in the first reservoir, a second opening disposed in the second reservoir and a liquid injection inlet arranged between the first and second openings for directing liquid into to fill up most of the conduit arrangement; and

at least one valve for controlling flow of the liquid along the conduit arrangement; wherein prior to using the drainage apparatus for siphoning the liquid,

the liquid injection inlet is configured to receive liquid to fill up most of the conduit arrangement as controlled by the valve's configuration; and wherein

wherein the first opening is configured to receive more liquid which has been directed into the first reservoir to flood the conduit arrangement to form a continuous liquid flow path which extends from the first opening up to at least the second opening, the continuous flow path configured to create a siphon which is at a state of equilibrium to prime the conduit arrangement when the flow of liquid into the first reservoir is stopped and the first opening is kept below the liquid's surface level in the first reservoir; and

wherein the conduit arrangement includes a plurality of conduits arranged in fluid communication, and the plurality of conduits include first and second conduits respectively configured with the first and second openings, a portion of the first and second conduits being positioned at a same liquid level;

whereby after priming and in use, the siphon is triggered when more liquid is added into the first reservoir which causes the added liquid to be siphoned to the second reservoir via the primed conduit arrangement.

57. A drainage apparatus adapted to siphon liquid between first and second reservoirs, the apparatus comprising:

first and second openings;

a conduit arrangement; and

at least one valve arranged along the conduit arrangement to control flow of the liquid in the conduit arrangement via the first and second openings,

wherein the first and/or second opening is configured to be at least twice the diameter of the conduit arrangement; and

wherein the conduit arrangement includes a plurality of conduits arranged in fluid communication, and the plurality of conduits include first and second conduits respectively configured with the first and second openings, a portion of the first and second conduits being positioned at a same liquid level.

68. The apparatus of claim 57, wherein the first opening is disposed in the first reservoir and arranged to face the floor of the first reservoir.

79. The apparatus of claim 57 or 68, wherein the second opening is disposed in the second reservoir and arranged to face the floor of the second reservoir.

810. The apparatus of claim 57 or 68, wherein the second opening is disposed in the second reservoir and arranged to face away from the floor of the second reservoir.

911. The apparatus of any of claims 57 to 810, wherein there are more than one valves and the valves include check valves and return valves.

1012. The apparatus of claim 911, wherein at least some of the valves are further configured to enable air trapped in the conduit arrangement to be released therefrom.

~~13. The apparatus of any of claims 7 to 12, wherein the conduit arrangement includes a plurality of conduits arranged in fluid communication.~~

~~14. The apparatus of any of claims 7 to 12, wherein the conduit arrangement includes a single integral conduit.~~

~~15. The apparatus of claim 13, wherein the plurality of conduits include first and second conduits respectively configured with the first and second openings, a portion of the first and second conduits being positioned at a same liquid level.~~

1116. The apparatus of any of claims 57 to 1015, further comprising a drainage conduit being arranged at the second reservoir.

12~~17~~. The apparatus of claim 11~~16~~, wherein the drainage conduit is disposed to be spaced apart from the second opening by approximately 300 mm.

13~~18~~. The apparatus of any of claims 5~~7~~ to 12~~17~~, further comprising the first and second reservoirs.

14~~19~~. The apparatus of any of claims 5~~7~~ to 13~~18~~, wherein the second opening is configured to be at least three times the diameter of the conduit arrangement.

15~~20~~. The apparatus of any of claims 5~~7~~ to 14~~19~~, wherein the second opening is configured to be at least four times the diameter of the conduit arrangement.

16~~21~~. The apparatus of any of claims 5~~7~~ to 15~~20~~, wherein the conduit arrangement includes a transverse portion extending between the first and second reservoirs, the transverse portion having a series of undulations arranged therealong.

17~~22~~. The apparatus of claim 16~~21~~, wherein the transverse portion has a length of at least 1000 metres.

18~~23~~. A flood control system comprising the drainage apparatus of any of claims 4~~6~~ to 17~~22~~.