

Each Patent in the EX2081 patent family provides § 112 support for the Substitute Claims:

Claim Limitation	EX2081 Support	‘PCT Patent Support	‘636 Patent Support	‘638 Patent Support	‘422 Patent Support	‘557 Patent Support	‘835 Patent Support
Claim 41. An amphibious vehicle, comprising:	[0001]	[0001]	[0002]	[0002]	[0002]	[0002]	[0002]
a floatable vehicle body with a front, a rear, an underside and a longitudinal centerline;	[0005], [0013], [0019], [0020], [0024], [0036].	[0005], [0013], [0019], [0020], [0024], [0036].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].
ground engaging propulsion structure comprising a plurality of ground engaging elements powered by at least one hydraulic motor;	[0006].	[0006].	[0007].	[0007].	[0007].	[0007].	[0007].
a hydraulically powered liquid manure mover separate from the ground engaging propulsion structure, the liquid manure mover including an immersible liquid manure pump that is hydraulically powered, at least one fluid conduit, and at least one fluid nozzle, the immersible liquid manure pump of the liquid manure mover including a substantially vertical drive shaft powering an impeller that is positioned in a pump housing and draws liquid manure in through a bottom fluid opening in the	[0001], [0009], [0010], [0012], [0013], [0019], [0020], [0021], [0024], [0028], [0034],	[0001], [0009], [0010], [0012], [0013], [0019], [0020], [0021], [0024], [0028], [0034],	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035],	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035],	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035],	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035],	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035],

pump housing, the pump housing and the impeller of the immersible liquid manure pump are positioned along the underside of the floatable vehicle body at a location that is rearward of the front of the floatable vehicle body and forward of the rear of the floatable vehicle body such that the immersible liquid manure pump of the liquid manure mover is positioned within liquid manure when the vehicle is floating and has a constant angular orientation relative to the floatable vehicle body;	[0038].	[0038].	[0039].	[0039].	[0039].	[0039].	[0039].
a power source connected to a hydraulic pump, the power source configured to provide power to both the ground engaging propulsion structure and the liquid manure mover, the at least one fluid nozzle of the liquid manure mover positioned above the floatable vehicle body forward of the power source and the immersible liquid manure pump of the liquid manure mover positioned rearward of the power source; and	[0008], [0013], [0021], [0023], [0028].	[0008], [0013], [0021], [0023], [0028].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].
a wireless remote control configured to enable an operator who is remote from the vehicle to: (1) control the ground engaging propulsion structure; (2) control a flow of liquid manure from the immersible liquid manure pump; (3) control at least one of the speed and direction of	[0037].	[0037].	[0038].	[0038].	[0038].	[0038].	[0038].

the vehicle when the vehicle is ground engaging; and (4) control at least one of the speed and direction of the vehicle when the vehicle is floating,							
wherein components of the vehicle that are submerged when the vehicle is floating are spaced from and positioned to each side of the pump housing and are spaced from and positioned directly forward of and directly rearward of the pump housing along the longitudinal centerline of the floatable vehicle body to keep floating solid material away from the bottom fluid opening in the pump housing of the immersible liquid manure pump	[0005], [0009], [0010], [0019], [0020], [0024], [0034], [0038].	[0005], [0009], [0010], [0019], [0020], [0024], [0034], [0038].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].
Claim 42	[0006].	[0006].	[0007].	[0007].	[0007].	[0007].	[0007].
Claim 43	[0008], [0023], [0033].	[0008], [0023], [0033].	[0009], [0024], [0034].	[0009], [0024], [0034].	[0009], [0024], [0034].	[0009], [0024], [0034].	[0009], [0024], [0034].
Claim 44	[0006], [0030].	[0006], [0030].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].
Claim 45	[0010].	[0010].	[0011].	[0011].	[0011].	[0011].	[0011].
Claim 46	[0010], [0028].	[0010], [0028].	[0011], [0029].	[0011], [0029].	[0011], [0029].	[0011], [0029].	[0011], [0029].
Claim 47	[0037].	[0037].	[0038].	[0038].	[0038].	[0038].	[0038].
Claim 48	[0013].	[0013].	[0014].	[0014].	[0014].	[0014].	[0014].
Claim 49	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].

Claim 50	[0028].	[0028].	[0029].	[0029].	[0029].	[0029].	[0029].
Claim 51	[0031], [0032], [0037].	[0031], [0032], [0037].	[0032], [0033], [0038].	[0032], [0033], [0038].	[0032], [0033], [0038].	[0032], [0033], [0038].	[0032], [0033], [0038].
Claim 52	[0031].	[0031].	[0032].	[0032].	[0032].	[0032].	[0032].
Claim 53	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 54	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 55	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 56	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 57. An amphibious vehicle, comprising:	[0001].	[0001].	[0002].	[0002].	[0002].	[0002].	[0002].
a floatable vehicle body with a front, a rear, an underside and a longitudinal centerline;	[0005], [0013], [0019], [0020], [0024], [0036].	[0005], [0013], [0019], [0020], [0024], [0036].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].	[0006], [0014], [0020], [0021], [0025], [0037].
ground engaging propulsion structure comprising a plurality of ground engaging elements powered by at least one hydraulic motor;	[0006].	[0006].	[0007].	[0007].	[0007].	[0007].	[0007].
a hydraulically powered liquid manure mover separate from the ground engaging propulsion structure, the liquid manure mover including an immersible liquid manure pump that is	[0001], [0009], [0010], [0012],	[0001], [0009], [0010], [0012],	[0002], [0010], [0011], [0013],	[0002], [0010], [0011], [0013],	[0002], [0010], [0011], [0013],	[0002], [0010], [0011], [0013],	[0002], [0010], [0011], [0013],

hydraulically powered, at least one fluid conduit, and at least one fluid nozzle, the immersible liquid manure pump of the liquid manure mover including a substantially vertical drive shaft powering an impeller that is positioned in a pump housing, the immersible liquid manure pump including a bottom fluid opening in the pump housing, where the pump housing and the impeller are positioned along the underside of the floatable vehicle body at a location that is rearward of the front of the floatable vehicle body and forward of the rear of the floatable vehicle body such that the immersible liquid manure pump of the liquid manure mover is positioned within liquid manure when the vehicle is floating in a manure lagoon and has a constant angular orientation relative to the floatable vehicle body;	[0013], [0019], [0020], [0021], [0024], [0028], [0034], [0038].	[0013], [0019], [0020], [0021], [0024], [0028], [0034], [0038]	[0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039]	[0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039]	[0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039]	[0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039]	[0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039]
a power source connected to a hydraulic pump, the power source configured to provide power to both the ground engaging propulsion structure and the liquid manure mover; and	[0008].	[0008].	[0009].	[0009].	[0009].	[0009].	[0009].
a wireless remote control configured to enable an operator who is remote from the vehicle to: (1) control the ground engaging propulsion structure; (2) control the flow of liquid manure from the liquid manure mover back into the manure lagoon; (3) control at least one of the	[0037], [0038].	[0037], [0038].	[0038], [0039].	[0038], [0039].	[0038], [0039].	[0038], [0039].	[0038], [0039].

speed and direction of the vehicle when the vehicle is ground engaging; and (4) control at least one of the speed and direction of the vehicle when the vehicle is floating,							
wherein portions of the vehicle that are submerged when the vehicle is floating are spaced from and positioned to the right and left of the pump housing and are spaced from and positioned forward of and rearward of the pump housing along the longitudinal centerline of the floatable vehicle body to keep floating solid material away from the bottom fluid opening in the pump housing of the immersible liquid manure pump.	[0005], [0009], [0010], [0019], [0020], [0024], [0034], [0038].	[0005], [0009], [0010], [0019], [0020], [0024], [0034], [0038].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].
Claim 58	[0006].	[0006].	[0007].	[0007].	[0007].	[0007].	[0007].
Claim 59	[0008], [0023], [0033].	[0008], [0023], [0033].	[0009], [0024], [0034].	[0009], [0024], [0034].	[0009], [0024], [0034].	[0009], [0024], [0034].	[0009], [0024], [0034].
Claim 60	[0006], [0030].	[0006], [0030].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].
Claim 61	[0010].	[0010].	[0011].	[0011].	[0011].	[0011].	[0011].
Claim 62	[0010], [0028].	[0010], [0028].	[0011], [0029].	[0011], [0029].	[0011], [0029].	[0011], [0029].	[0011], [0029].
Claim 63	[0037].	[0037].	[0038].	[0038].	[0038].	[0038].	[0038].
Claim 64	[0013].	[0013].	[0014].	[0014].	[0014].	[0014].	[0014].
Claim 65	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].

Claim 66	[0028].	[0028].	[0029].	[0029].	[0029].	[0029].	[0029].
Claim 67	[0031], [0032], [0037].	[0031], [0032], [0037].	[0032], [0033], [0038].	[0032], [0033], [0038].	[0032], [0033], [0038].	[0032], [0033], [0038].	[0032], [0033], [0038].
Claim 68	[0031].	[0031].	[0032].	[0032].	[0032].	[0032].	[0032].
Claim 69	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 70	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 71	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 72	[0012], [0028].	[0012], [0028].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].	[0013], [0029].
Claim 73	[0030].	[0030].	[0031].	[0031].	[0031].	[0031].	[0031].
Claim 74	[0006], [0030].	[0006], [0030].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].
Claim 75	[0006], [0030].	[0006], [0030].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].
Claim 76	[0030].	[0030].	[0031].	[0031].	[0031].	[0031].	[0031].
Claim 77	[0006], [0030].	[0006], [0030].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].
Claim 78	[0006], [0030].	[0006], [0030].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].	[0007], [0031].
Claim 79. An amphibious vehicle, comprising:	[0001].	[0001].	[0002].	[0002].	[0002].	[0002].	[0002].
a floatable vehicle body with a front, a rear, and an underside;	[0005], [0019], [0020],	[0005], [0019], [0020],	[0006], [0020], [0021],	[0006], [0020], [0021],	[0006], [0020], [0021],	[0006], [0020], [0021],	[0006], [0020], [0021],

	[0024], [0028].	[0024], [0028].	[0025], [0029].	[0025], [0029].	[0025], [0029].	[0025], [0029].	[0025], [0029].
a ground engaging propulsion structure comprising a set of four ground engaging wheels and wherein each ground engaging wheel is powered by its own variable speed hydraulic motor;	[0006].	[0006].	[0007].	[0007].	[0007].	[0007].	[0007].
a hydraulically powered liquid manure mover separate from the ground engaging propulsion structure, the liquid manure mover including an immersible liquid manure pump that is hydraulically powered, at least one fluid conduit, and at least one fluid nozzle, the immersible liquid manure pump of the liquid manure mover including a pump housing and an impeller that is driven by a substantially vertical drive shaft, the immersible liquid manure pump including a bottom fluid opening in the pump housing, where the pump housing is mounted to the underside of the floatable vehicle body in a space collectively defined between the four ground engaging wheels such that the pump housing is rearward of the front of the floatable vehicle body and forward of the rear of the floatable vehicle body and such that the immersible liquid manure pump of the liquid manure mover is positioned within liquid manure when the vehicle is floating and has a	[0001], [0009], [0010], [0012], [0013], [0019], [0020], [0021], [0024], [0028], [0034], [0038].	[0001], [0009], [0010], [0012], [0013], [0019], [0020], [0021], [0024], [0028], [0034], [0038].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].

constant angular orientation relative to the floatable vehicle body;							
a power source connected to a hydraulic pump, the power source configured to provide power to both the ground engaging propulsion structure and the liquid manure mover; and	[0008].	[0008].	[0009].	[0009].	[0009].	[0009].	[0009].
a wireless remote control configured to enable an operator who is remote from the vehicle to: (1) control the ground engaging propulsion structure; (2) control a flow of liquid manure from the liquid manure pump; (3) control at least one of the speed and direction of the vehicle when the vehicle is ground engaging; and (4) control at least one of the speed and direction of the vehicle when the vehicle is floating,	[0037].	[0037].	[0038].	[0038].	[0038].	[0038].	[0038].
wherein portions of the vehicle that are submerged when the vehicle is floating are spaced from and positioned to each side of the pump housing and are spaced from and positioned directly forward of and directly rearward of the pump housing to keep floating solid material away from the bottom fluid opening in the pump housing of the immersible liquid manure pump.	[0005], [0009], [0010], [0019], [0020], [0024], [0034], [0038].	[0005], [0009], [0010], [0019], [0020], [0024], [0034], [0038].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].	[0006], [0010], [0011], [0020], [0021], [0025], [0035], [0039].
Claim 80. An amphibious vehicle, comprising:	[0001].	[0001].	[0002].	[0002].	[0002].	[0002].	[0002].
a floatable vehicle body with a front, a rear, and	[0005],	[0005],	[0006],	[0006],	[0006],	[0006],	[0006],

an underside;	[0019], [0020], [0024], [0028].	[0019], [0020], [0024], [0028].	[0020], [0021], [0025], [0029].	[0020], [0021], [0025], [0029].	[0020], [0021], [0025], [0029].	[0020], [0021], [0025], [0029].	[0020], [0021], [0025], [0029].
a ground engaging propulsion structure comprising a front set of ground engaging wheels at the front of the floatable vehicle body and a rear set of ground engaging wheels at the rear of the floatable vehicle body and wherein each ground engaging wheel is powered by its own variable speed hydraulic motor;	[0006], [0026], [0030].	[0006], [0026], [0030].	[0007], [0027], [0031].	[0007], [0027], [0031].	[0007], [0027], [0031].	[0007], [0027], [0031].	[0007], [0027], [0031].
a hydraulically powered liquid manure mover separate from the ground engaging propulsion structure, the liquid manure mover including an immersible liquid manure pump that is hydraulically powered, at least one fluid conduit, and at least one fluid nozzle, the immersible liquid manure pump of the liquid manure mover including a drive shaft powering an impeller that is positioned in a pump housing and draws liquid manure in through a bottom fluid opening in the pump housing, the pump housing is mounted to the underside of the floatable vehicle body at a location that is rearward of the front of the floatable vehicle body and forward of the rear of the floatable vehicle body such that the immersible liquid manure pump of the liquid manure mover is	[0001], [0009], [0010], [0012], [0013], [0019], [0020], [0021], [0024], [0028], [0034], [0038].	[0001], [0009], [0010], [0012], [0013], [0019], [0020], [0021], [0024], [0028], [0034], [0038].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].	[0002], [0010], [0011], [0013], [0014], [0020], [0021], [0022], [0025], [0029], [0035], [0039].

positioned within liquid manure when the vehicle is floating in a manure lagoon, where the drive shaft is substantially vertical and has a constant angular orientation relative to the floatable vehicle body;							
a power source connected to a hydraulic pump, the power source configured to provide power to both the ground engaging propulsion structure and the liquid manure mover, the at least one fluid nozzle of the liquid manure mover positioned at the front of the floatable vehicle body forward of the power source and the immersible liquid manure pump of the liquid manure mover positioned rearward of the power source; and	[0008], [0013], [0021], [0023], [0028].	[0008], [0013], [0021], [0023], [0028].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].	[0009], [0014], [0022], [0024], [0029].
a wireless remote control configured to enable an operator who is remote from the vehicle to: (1) control the ground engaging propulsion structure; (2) control a flow of liquid manure from the liquid manure mover; (3) control at least one of the speed and direction of the vehicle when the vehicle is ground engaging; and (4) control at least one of the speed and direction of the vehicle when the vehicle is floating,	[0037].	[0037].	[0038].	[0038].	[0038].	[0038].	[0038].
wherein components of the vehicle that are submerged when the vehicle is floating are spaced from and positioned to the right and left	[0005], [0009], [0010],	[0005], [0009], [0010],	[0006], [0010], [0011],	[0006], [0010], [0011],	[0006], [0010], [0011],	[0006], [0010], [0011],	[0006], [0010], [0011],

of the pump housing and are spaced from and positioned directly forward of and directly rearward of the pump housing to keep floating solid material away from the bottom fluid opening in the pump housing of the immersible liquid manure pump.	[0019], [0020], [0024], [0034], [0038].	[0019], [0020], [0024], [0034], [0038].	[0020], [0021], [0025], [0035], [0039].	[0020], [0021], [0025], [0035], [0039].	[0020], [0021], [0025], [0035], [0039].	[0020], [0021], [0025], [0035], [0039].	[0020], [0021], [0025], [0035], [0039].
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