

Challenged Claims – U.S. Pat. No. 11,459,863	
<u>Claim Limitation</u>	<u>Claim</u>
1[p]	1. A hydraulic fracturing system, comprising:
1[a]	a support structure having a first area at a first height and a second area at a second height, the first and second areas adjacent one another;
1[b]	an electric powered, multi-plunger pump with an odd number of plungers, arranged in the first area, the electric powered pump coupled to a well, via outlet piping, and powered by at least one electric motor, also arranged in the first area;
1[c]	a variable frequency drive (VFD), arranged in the second area, connected to the at least one electric motor, the VFD configured to control at least a speed of the at least one electric motor; and
1[d]	a transformer, arranged in the second area, the transformer positioned within an enclosure with the VFD, the transformer configured to distribute power for operation of the electric pump.
2	The hydraulic fracturing system of claim 1, further comprising: a slide out platform integrated into the first area, the slide out platform being driven between a retracted position and a deployed position, wherein the deployed position provides a work area proximate the electric powered, multi-plunger pump.
3	The hydraulic fracturing system of claim 1, further comprising: a work platform proximate the enclosure in the second area, the work platform providing access to the enclosure, the work platform arranged such that the enclosure is between the work platform and the first area.
4	The hydraulic fracturing system of claim 1, further comprising: a cooling system for the enclosure, the cooling system being a liquid cooling system thermally coupled to at least one of the VFD or the transformer.

5	The hydraulic fracturing system of claim 4, wherein the liquid cooling system includes water or glycol.
6	The hydraulic fracturing system of claim 1, wherein the electric powered, multi-plunger pump is a septuplex pump having seven plungers.
7	The hydraulic fracturing system of claim 1, wherein the electric powered, multi-plunger pump includes at least one of 9 plungers or 11 plungers.
8	The hydraulic fracturing system of claim 1, wherein the electric powered, multi-plunger pump includes more than 5 plungers.
9	The hydraulic fracturing system of claim 1, wherein the first area is opposite the second area and the second area includes a hitch for coupling to a prime mover.
10	The hydraulic fracturing system of claim 1, wherein the electric powered, multi-plunger pump is a single pump and a first pump output meets or exceeds a second pump output associated with two quintuplex pumps.
11[p]	A hydraulic fracturing system, comprising:
11[a]	an electric powered, multi-plunger pump, arranged on a support structure, the electric powered multi-plunger pump powered by at least one electric motor;
11[b]	a variable frequency drive (VFD), arranged on the support structure, connected to the at least one electric motor to control a speed of the at least one electric motor, the VFD positioned separate from the electric powered, multi-plunger pump and within an enclosure; and
11[c]	a transformer, arranged on the support structure, configured to distribute power for operation of the electric powered, multi-plunger pump, the power being received from at least one generator at a voltage higher than an operating voltage of the electric powered pump, the transformer positioned within the enclosure;

11[d]	wherein the electric powered, multi-plunger pump includes an odd number of plungers configured to reduce kinematic flow ripple.
12	The hydraulic fracturing system of claim 11, further comprising: a slide out platform proximate the electric powered, multi-plunger pump being driven between a retracted position and a deployed position, wherein the deployed position provides a work area proximate the electric powered, multi-plunger pump.
13	The hydraulic fracturing system of claim 11, further comprising: a work platform proximate and external to the enclosure, the work platform providing access to the enclosure, wherein the work platform is positioned at an elevation greater than the electric powered, multi-plunger pump.
14	The hydraulic fracturing system of claim 11, further comprising: a cooling system for the enclosure, the cooling system being a liquid cooling system thermally coupled to at least one of the VFD or the transformer.
15	The hydraulic fracturing system of claim 14, wherein the liquid cooling system includes water or glycol.
16	The hydraulic fracturing system of claim 11, wherein the electric powered, multi-plunger pump is a septuplex pump having seven plungers.
17	The hydraulic fracturing system of claim 11, wherein the electric powered, multi-plunger pump includes at least one of 9 plungers or 11 plungers.
18	The hydraulic fracturing system of claim 11, wherein the electric powered, multi-plunger pump includes more than 5 plungers.
19	The hydraulic fracturing system of claim 11, wherein the motor is powered by at least one of a turbine generator, a diesel generator, a natural gas generator, grid power, or a combination thereof.
20	The hydraulic fracturing system of claim 11, wherein a first length of the support structure is less than or equal to a second length of a second support structure associated with two quintuplex pumps.