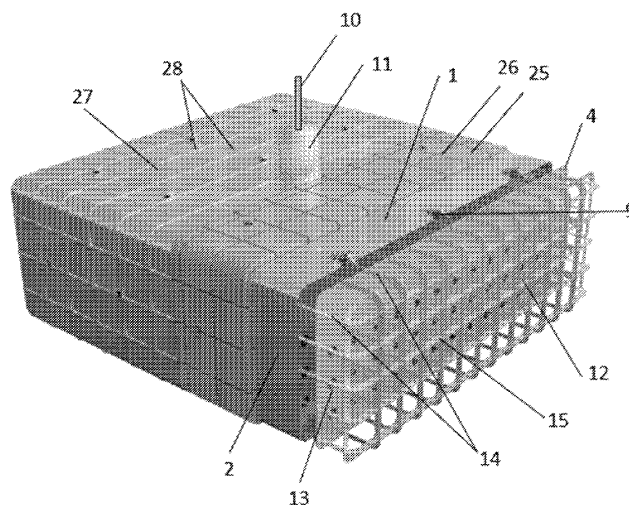




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(54) **Title:** SCALABLE PRESSURE VESSEL, METHOD FOR FABRICATION THEREOF AND USES THEREOF

Figure 2



(57) **Abstract:** Size, shape and pressure scalable pressure vessel comprising an outer pressure shell that is leak-tight for containment of a pressurized fluid during operation, and at least one opening through the outer pressure shell for loading and unloading of the fluid. With reference to a Cartesian coordinate system with an x-axis, a y-axis and a z-axis, the pressure vessel is distinguished in that it further comprises: - a plurality of internal parallel tension panels (flat plates) oriented orthogonal to the z-axis and being in tension under operation by carrying and balancing pressure on opposing outer pressure shell parts that connect with the periphery of the parallel tension panels, - a plurality of internal parallel tension beams oriented parallel to the z-axis and connecting with and being in tension under operation by carrying and balancing pressure on opposing outer pressure shell parts meeting the ends of said tension beams. Method of fabricating said pressure vessel and uses thereof.

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