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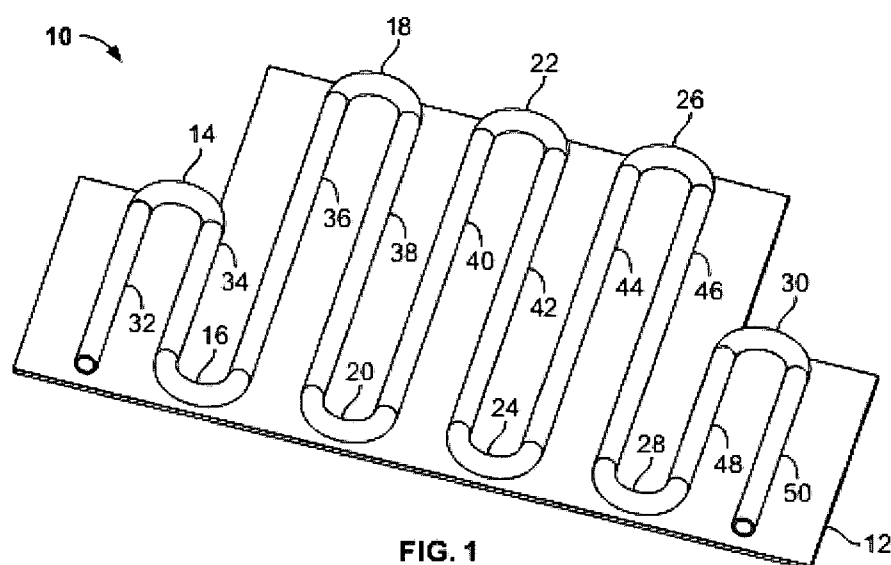


FIG. 1

(57) Abstract: A Hydrogen storage system comprising storage elements coupled to each other to form one or more containers disposed in a space having a volume V where the volume of each of the storage elements is much smaller than the volume V resulting in the storage elements experiencing reduced stress at their inner surfaces. Thus, Hydrogen can be stored at relatively high pressure within these storage elements due to the reduced stress experienced by their inner surfaces. Consequently, materials having relatively lower tensile strength and stiffness can be used to construct the storage elements of the Hydrogen storage system. Further, the storage elements can be shaped and sized to conform to a volume of space having an arbitrary shape and dimensions.



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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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