

ABSTRACT

**HYDROGEN TRANSPORT, DISTRIBUTION AND STORAGE
SYSTEM, METHOD AND APPARATUS**

A system, method and apparatus to transport and distribute hydrogen, store energy at scale, and interconnect locations where large quantities of “green” hydrogen can be produced most advantageously, with cities, towns and rural communities where hydrogen is needed as a clean transportation fuel, industrial feedstock, power source, and for long-term storage of electrical power. A hydrogen distribution pipeline enables use of natural gas, oil and other existing pipelines to transport hydrogen to one or more distribution points; and in one embodiment, integrates a lighter-than-air airship to transport hydrogen between locations where pipelines don’t exist or are impractical. The disclosed hydrogen distribution pipeline also enables use of water, sewer, storm drain and other existing pipelines for local distribution, thereby saving time and money, and reducing construction disruption to the local community, in establishing these infrastructure components necessary to the widespread use of hydrogen in helping address climate change.

Figure 3(d)