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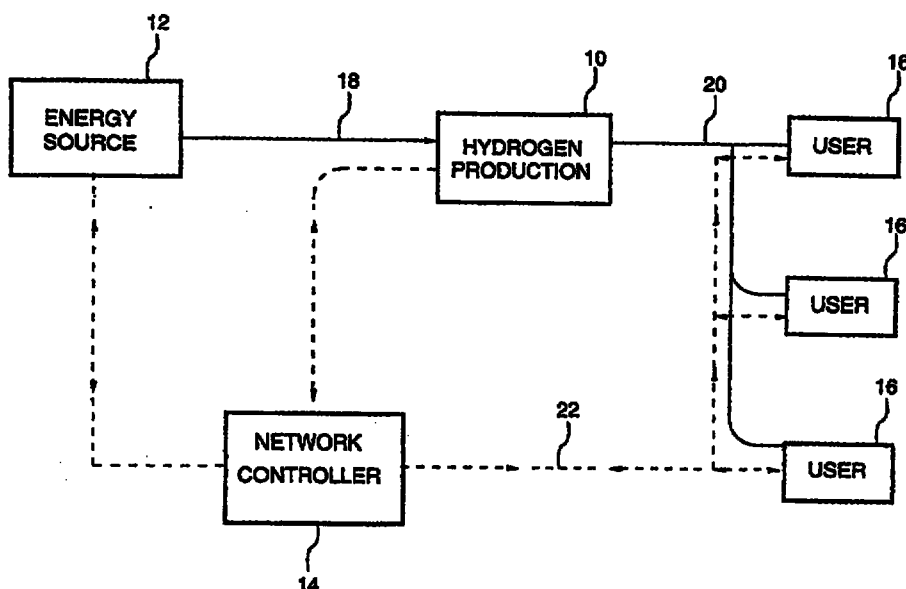
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(54) Title: ENERGY DISTRIBUTION NETWORK



(57) Abstract

An energy distribution network for providing hydrogen fuel to a user comprising: energy source means; hydrogen production means to receive the energy from the energy resource means; hydrogen fuel user means to receive hydrogen from the hydrogen production means; and data collection, storage, control and supply means linked to the energy resource means, the hydrogen production means, and the hydrogen fuel user means to determine, control and supply hydrogen from the hydrogen production means. Preferably, the network comprises one or more water electrolyzers and provides for the distribution of hydrogen, for use as a fuel for vehicles, fuel cells, electrical and thermal generators, and the like.