

[54] ENERGY GENERATING SYSTEM  
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 [51] Int. Cl.<sup>2</sup> ..... F22B 1/00  
 [58] Field of Search ..... 122/4 R; 23/281; 55/158, 16; 431/2, 243

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[57] **ABSTRACT**  
 Energy system in which steam is generated by combustion of hydrogen in ozone enriched air. The steam so generated is supplied to an asymmetric microporous membrane which causes chemical disassociation of the steam to yield hydrogen and oxygen. The hydrogen gas is used to maintain combustion in a closed power generating system.  
**6 Claims, 4 Drawing Figures**

