

[54] VAPOR GENERATOR CARBURETION SYSTEM

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[75] Inventor: Rudolf R. Laessig, West Chester, Pa.

Primary Examiner—Kenneth W. Sprague  
 Attorney, Agent, or Firm—Raymond H. Quist; Allen E. Amgott

[73] Assignee: **General Electric Company, Fairfield, Conn.**

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[57] ABSTRACT

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A housing having an air inlet and an exhaust is divided into a central plenum and a combustion chamber by a porous member. A rotatable shaft passing through the plenum is driven by a motor, and drives a fuel pump, a blower and an atomizer/vaporizer. Fuel is pumped to the atomizer/vaporizer where it is forced outwardly by the rotation through porous walls into a scroll where it is mixed with the air introduced by the blower. The scroll converts the velocity of the mixture into a pressure head so that upon entering the plenum it passes through the porous member. It burns on the surface of the porous member in the combustion chamber, heating and vaporizing fluid carried in a tube in the combustion chamber.

[52] U.S. Cl. .... 122/250 R; 122/367 R; 431/168; 122/248

[51] Int. Cl.<sup>2</sup> ..... F22B 27/08

[58] Field of Search ..... 122/250, 367 R, 367 PF, 122/248; 431/168, 169

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5 Claims, 5 Drawing Figures

