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United States Patent [19] Griggs

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- [54] APPARATUS FOR HEATING FLUIDS
- [75] Inventor: **James L. Griggs**, Powder Springs, Ga.
- [73] Assignee: **Hydro Dynamics, Inc.**, Cartersville, Ga.
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- [52] U.S. Cl. **126/247; 122/26**
- [58] Field of Search **237/1 R, 12.3 R; 126/247; 122/26**

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Primary Examiner—Henry A. Bennet
Attorney, Agent, or Firm—Pitts and Brittan

[57] ABSTRACT

Devices for heating fluids. The devices employ a cylindrical rotor which features surface irregularities. The rotor rides a shaft which is driven by external power means. Fluid injected into the device is subjected to relative motion between the rotor and the device housing, and exits the device at increased pressure and/or temperature. The device is thermodynamically highly efficient, despite the structural and mechanical simplicity of the rotor and other compounds. Such devices accordingly provide efficient, simply, inexpensive and reliable sources of heated water and other fluids for residential and industrial use.

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14 Claims, 4 Drawing Sheets

