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Munson, Jr. et al.

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(54) **PACKAGED PROPELLANT AIR-INDUCED VARIABLE THRUST ROCKET ENGINE**

USPC 60/200.1, 204, 19, 251, 253, 254, 256, 60/39.281, 39.828; 102/374, 376, 380
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 455 days.

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(57) **ABSTRACT**

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This invention is a packaged propellant air-induced variable thrust rocket engine that has a vast number of uses and applications for this invention. The primary purpose of the device described here is to provide a light weight, torque and vibration free thrust generator for the propulsion of aircraft. This device will facilitate the fabrication of very light weight aircraft because of the lack these forces. This device can also be used anywhere high velocity air flow and or the resulting thrust is needed. The invention uses aerodynamic principles to compress and accelerate the incoming air, prior to it being heated and accelerated by a short duration burst of thermal and kinetic energy from discrete packets of a mixture of oxidizable fuels. The heated and accelerated air then expands as it travels thru the device providing thrust.

Related U.S. Application Data

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14 Claims, 5 Drawing Sheets

