

TECHNOLOGY LICENSING OPPORTUNITY

Multi-Burn Solid Rocket

R&D 100 Winner



This propulsion system enables multiple independently controllable impulses from a single solid rocket while maintaining the high thrust, safety, simplicity, reliability, scalability, and storability of traditional solid rockets.

Key Advantages

- Allows for complex flight maneuvers that require precise thrust modulation
- Combustion can be halted cleanly and then reinitiated
- Can place space vehicles in precise orbits for optimal performance

Problems Solved

- Ignition system has been changed from one-time use to reusable
- Employs resettable mechanism to rapidly extinguish a burn
- Can be stored fully fueled for long periods of time

Market Applications

- Aerospace (i.e., Reusable Launch Vehicles)
- Defense and Military
- Commercial Satellites
- Space Tourism

**Solve emerging
space problems**

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