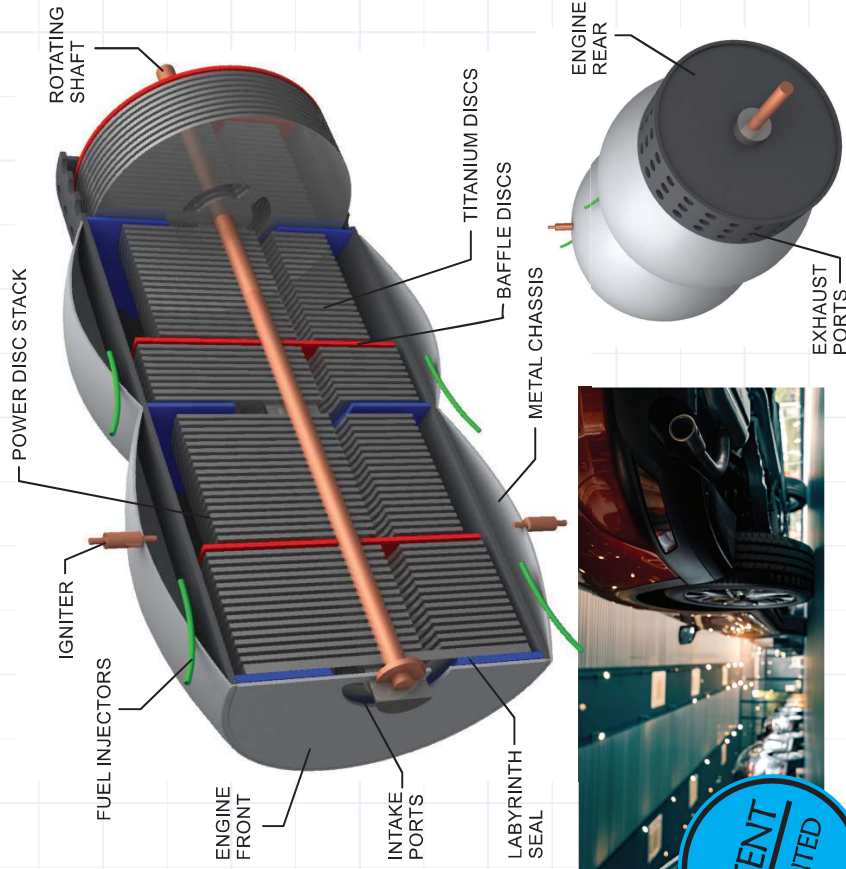


# INTERNAL COMBUSTION BOUNDARY LAYER TURBINE ENGINE (ICBLTE)

**OBJECTIVE:** Innovative engine design that burns less fuel, generates less pollution, and can be used in a wide range of possible applications. This continuous burn engine design would be a major improvement over traditional piston engines and gas turbine engines.



## INSPIRATION FOR THE INVENTION:

"I wanted to create a new engine design with a number of positive attributes, so I invented this. My design would burn less fuel and generate less pollution. It also would not encounter friction and internal mechanical drag from reciprocating pistons within cylinders and other moving mechanical parts." - Inventor Daniel Woody  
Cell (708)707-6248

## BENEFITS:

- Provides an improved design for an engine
- Helps avoid the wear and friction commonly associated with traditional piston/cylinder engine designs
- Increases performance and fuel efficiency for vehicles and equipment
- Easy to employ; Innovative design
- Ideal for automotive original equipment manufacturers, manufacturers of boats and aircrafts, etc.

- Because the primary coupling effect is drag on both sides of the disc, that effective torque times the high speed of the engine is proportional to the power output
- The one-piece construction of the disc naturally lends to potentially higher radial speed than its vane turbine counterpart
- These discs can be made very thin to reduce the centrifugal and gyroscopic effects at high rotational speeds
- The ICBLTE is designed to replace all piston driven engines

## FEATURES:

- It would employ a main metal chassis and titanium discs
- Operation of the invention utilizes a single rotating assembly housed in a pressure chassis
- The discs are the operational part of the engine, which are flat and have three exhaust ports near the center
- The shaft is mounted to bearing hubs in the front and the rear of the engine that supports the disk arrays and delivers output engine torque
- The engine would have currents of air ingested at the intake port to the engine and compressed to the disks periphery then combusted and directed inward in a spiraling motion across the turbine disks and ultimately to the exhaust port
- The energy delivered to the disc from the inward spiral of fluid, progressively reducing its radius of spin, would be inversely proportional to the torque produced by the engine

## DEVELOPMENT:

- VIP-Virtual Invention Presentation available; the VIP video contains 3D renderings and computer generated animation highlighting the main function or use of the invention
- Patent number: 11098722-B2
- [www.controlssystemdev.com](http://www.controlssystemdev.com)

## MARKETING OUTLETS

- Wholesalers of Motor Vehicle Supplies & New Parts
- Wholesalers of General Purpose Machinery, Equipment, & Parts

**TGR-201**

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