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(57) Abstract :

The present invention relates to a lightweight vehicle using non-hydrocarbons fluid, comprising at least one cylinder (202), at least one piston (204), at least one pedal (210), at least a wheel configured within the vehicle frame to provide front and rear rotation of the wheels. The vehicle structure is made up of polymer sheets, carbon polymers, piping with plastic polymers like copper, PVC, and CPVC providing robust and lightweight construction of the vehicle. The fluid used for the drive mechanism is water which provides the necessary force for the rotation of wheels according to the Pascal law of hydrodynamics. The rotation of the wheel is achieved through centripetal forces that are also made use in the reverse movement of the vehicle by using the force in pro or anti-clockwise direction.

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