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(71) Applicant (for all designated States except US): **MAGNETIC MILES, LLC** [US/US]; 5155 Sw Bimini Circle S., Palm City, FL 34990 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MILES, Stephen** [US/US]; 5155 Sw Bimini Circle S., Palm City, FL 34990 (US). **CRISTOFORO, Michael**; 5155 Sw Bimini Circle S., Palm City, FL 34990 (US).

(74) Agents: **CAMPBELL, A. Keith** et al.; MCHALE & SLAVIN, P.A., 2855 Pga Boulevard, Palm Beach Gardens, FL 33410 (US).

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(54) Title: MAGNETICALLY POWERED RECIPROCATING ENGINE AND ELECTROMAGNET CONTROL SYSTEM

(57) Abstract: The instant invention provides a magnetically controlled reciprocating engine having a unique electromagnet control system. The engine is constructed and arranged to operate from a stored power source such as batteries to provide extended run times by controlling the power supplied to the electromagnets in a manner that controls heat generation within the electromagnetic coils, thereby increasing coil life. The control system is also capable of controlling engine speed and/or torque outputs to make the engine versatile for a wide variety of uses. The system is constructed and arranged to be utilized on new or pre-existing engines of various configurations and may be utilized in other industries or devices that benefit from the use of electromagnets.



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