



⚙️ **Title**
ROTARY-LINEAR MOTOR FOR THE INTEGRATED PROPULSION AND ASSISTED STEERING DRIVE OF ELECTRICAL VEHICLES

⚙️ **Inventor/s - Contact**
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⚙️ **Patent/ Application number**
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⚙️ **Short presentation**
The invention relates to the use of a single rotary-linear switched reluctance motor for integrated driving of both the propulsion and assisted steering of electrical vehicles. The motor shaft can perform both a rotary motion, which can rotate the vehicle wheel at a variable speed, and a linear one, which can actuate the electric steering system of the vehicle.
The application of the invention offers the advantages of simplification by reducing the number of electric motors required to drive the propulsion and steering system of electric vehicles with the direct and independent driving of the wheels, by reducing the volume and mass required for these two drive systems.

⚙️ **Applicability**
Electrical vehicles

⚙️ **Images**

