

Vehicle fuel supply locking system

Car comp.
Bodywork



ELECTRIC
VEHICLES

KEYWORDS

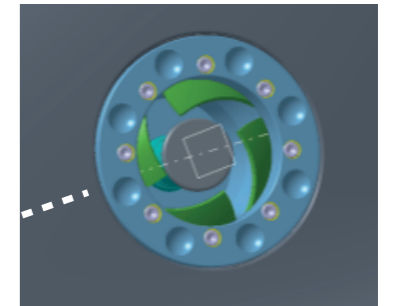
- ▶ Electric vehicles
- ▶ Locking system
- ▶ Remote control
- ▶ Spherical cap
- ▶ Fuel supply system
- ▶ Diaphragm

Innovations/advantages

Possibility of positioning the fuel supply system and the associated locking system closer to other elements of the vehicle body (such as a rear window or rear door handle of the vehicle, for example);
Reduction of design size constraints;
Electrically operating locking system controlled, for example, by means of a wireless electronic device such as a remote control, mobile phone, smartphone and/or smartwatch.

Application field

Vehicle engineering;
Design centre.



Product insight

- *Italdesign has a patent for a diaphragm locking mechanism for any type of fuel supply system. This may, for example, comprise a filling tube for liquid fuel (diesel, petrol or LPG) or gaseous fuel, but also an electrical connector for battery charging in the case of hybrid or purely electric vehicles.*

The locking system can be configured to turn off or on using a standard remote control associated with the vehicle keys, or through a personal electronic device, such as a mobile phone, smartphone or smartwatch.

Patent Information

Priority Date – 30 September 2019

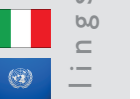
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National patent filings

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