

Vehicle fuel supply locking system

Car comp.
Bodywork



Electric vehicles

Locking system

Spherical cap

ELECTRIC
VEHICLES



Remote control

Diaphragm

Fuel supply system

Innovations/advantages

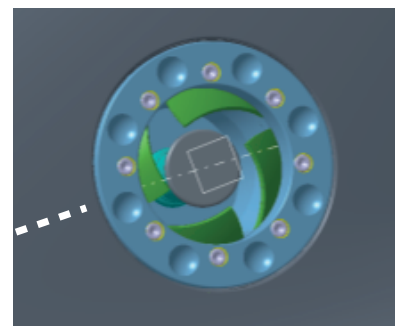
Possibility of positioning the fuel supply system and the associated locking system closer to other elements of the vehicle body (such as a rear window or rear door handle of the vehicle, for example); Reduction of design size constraints; Electrically operating locking system controlled, for example, 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

Application Number

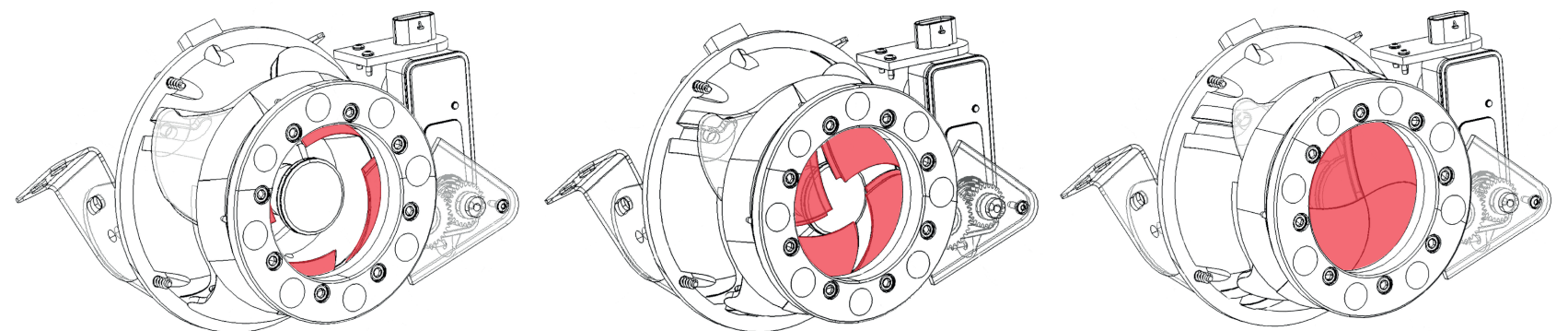
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IPR Dossier n. A23

National patent filings



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