



## COUNTERMEASURE AGAINST RELAY ATTACKS

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<b>Protection</b>	IT 102020000029117 EP21810439.6
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### What we are looking for

We are looking for a suitable partner to enter into license deal/co-development partnership

### What it is needed for?

In the context of Vehicle To Grid, various cyber attacks can target electric vehicles as well as their charging station.

The present invention solves the security problem related to the EVExchange attack and, in general, to all relay-type attacks: it allows for greater security in communication and in energy exchange between electric vehicles and smart grids.

This countermeasure allows to prevent relay-type attacks without having to make changes to the implementation of current communication protocols.

### Advantages

- Applicable to all relay-type attacks (e.g. EVExchange);
- Provides greater security in communication and energy exchange;
- Does not require changes to the current communication protocols;
- Can be implemented through an external device that monitors the flow of current exchanged during communication;
- Emerging technology, with great potential to grow in the coming years.

### Applications

The methodology is applied:

- To all new generation electric vehicles that use V2G;
- To existing vehicles that did not originally have it; it can be installed as an external device.

### TRL scale

