

Universal and magnetic plug and socket group and their transition adapter



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STATUS PATENT: Depositati

PRIORITY NUMBER: 102021000002765 e
102021000002768

PUBLICATION: -

PUBLISHED AS: PCT available

Magnetic, polarized e omnidirectional.

Invention



The invention is about a new magnetic plug and socket group, alternative to the Schuko socket, that it does not require a predefined plug direction. The group works for domestic, tertiary and medical sector.

Drawings
and pictures



Easy and safe to use.

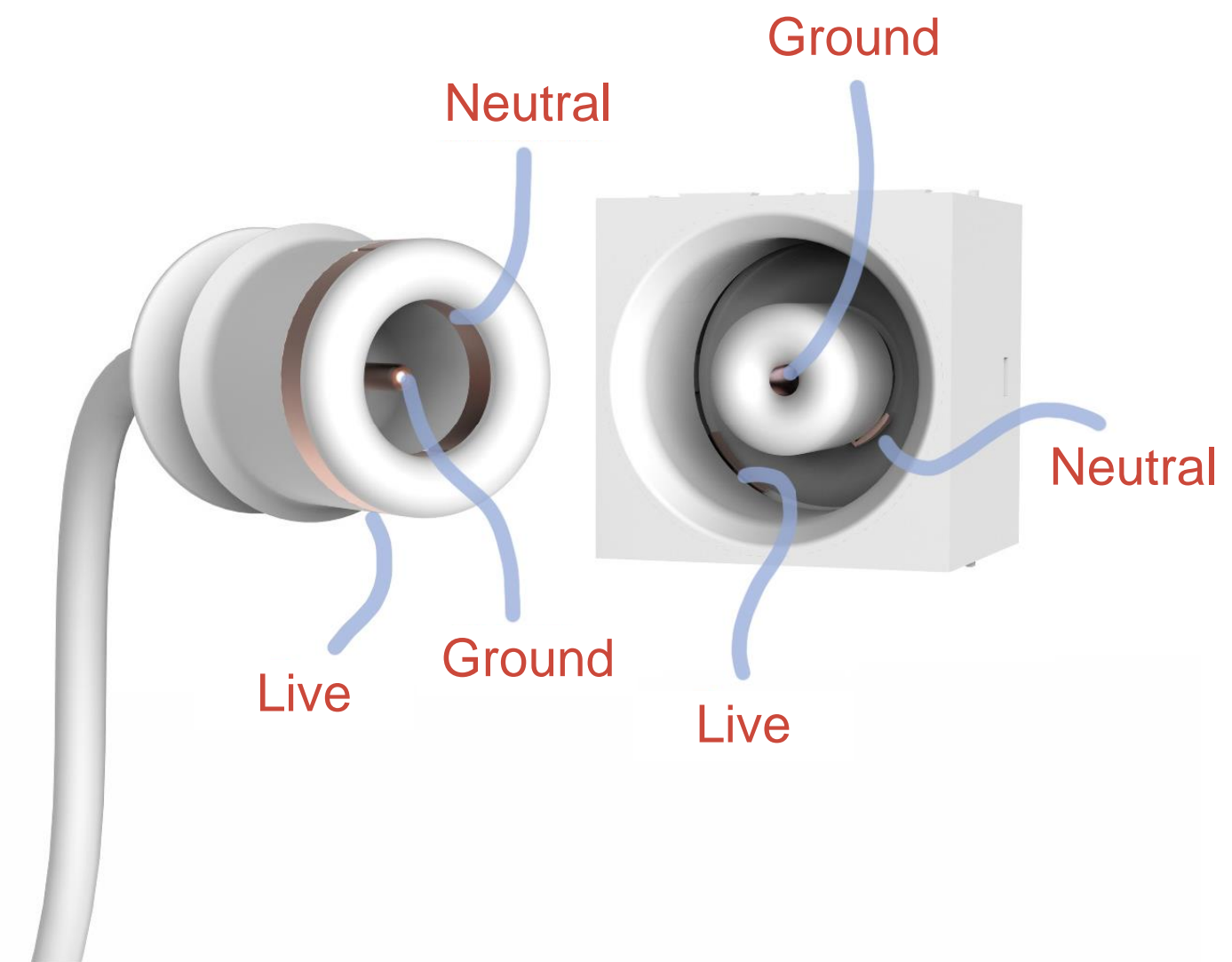
The invention keywords are: ease use and safety.

The omnidirectional plug system and the magnetic latching, make it easy to use, mostly for people with sensory and motory disability. The cylindrical plug will always insert easily into the socket, the magnets will, not only erase all the insert effort, but also the stumble wire dangers.

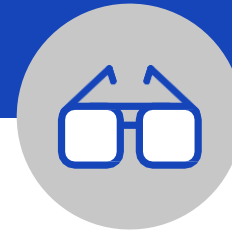
The completely hided electrical contacts, the technical perfect connection between contacts and the ground pin as first connection make the plug and socket group safe.



Contacts
Securely hided,
ready when needed



Industrial applications



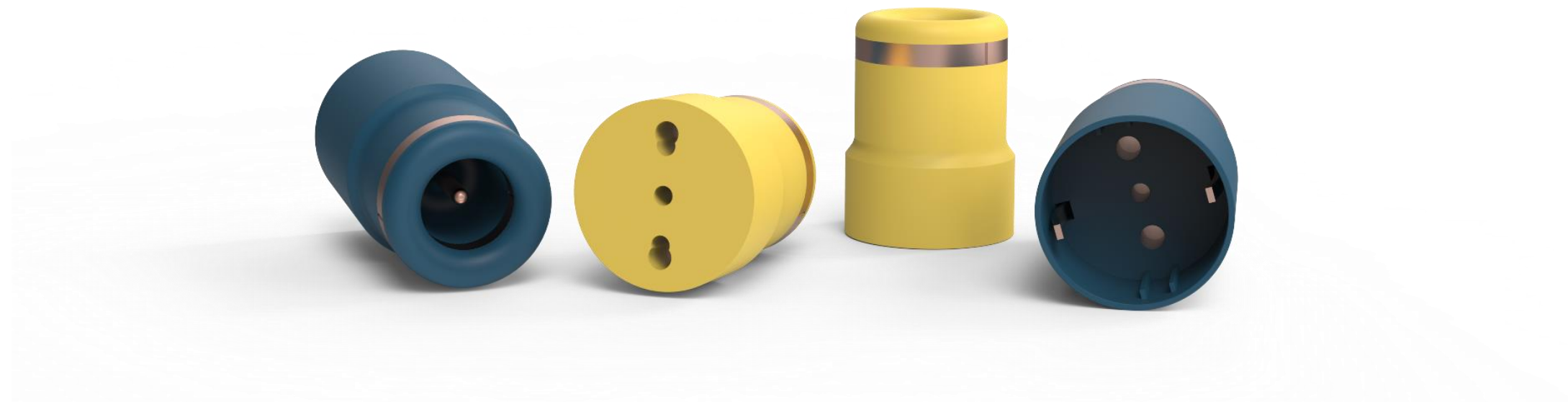
Area of application.

The invention could be applied at all the domestic series in the market, having the same dimension of the Schuko could be easily replace it in residential and tertiary systems.

The group could be used also in medical, industrial and vehicles charge systems, guaranteeing all the benefits described.

The market for the invention is the national and international market for electrotechnical and electrical material.

The development of the invention concern the possibility of owning the exploitation rights of a new universal standard, applicable in many sectors.



Possible developments



The patent is available for definitive assignment, as well as for an exclusive and non-exclusive license.

The licenses are available for the entire residual term of the patent titles.

The inventors are available for collaborative research activities, technical insights and advice also to raise the TRL of the invention.



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