

Title (en)
CONNECTING DEVICE

Title (de)
ANSCHLUSSVORRICHTUNG

Title (fr)
DISPOSITIF DE CONNEXION

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Application
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Abstract (en)
The present invention relates to a connecting device (1) for establishing an electric connection between a power supply (12) and a power-consuming device (9), the connecting device (1) comprising a power supply connecting element (2) for electrically connecting the connecting device (1) with a power supply (12). According to an aspect of the invention, the connecting device (1) further comprises a first magnetic element for magnetically connecting the connecting device (1) with a power-consuming device (9) and a first contact surface (3) for electrically connecting the connecting device (1) with the same power-consuming device (9), wherein the first contact surface (3) comprises at least two electric leads (4) that are electrically connected with the power supply connecting element (2) or with a power supply integrated in the connecting device (1).

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Citation (search report)

- [X] US 10707610 B1 20200707 - WANG YINYIN [CN]
- [X] US 2016079701 A1 20160317 - LIAO SHENG-HSIN [TW]
- [X] US 2017085028 A1 20170323 - SILVERS ZACHARY [US], et al
- [X] US 2014120746 A1 20140501 - PERSION ROSTISLAV [US], et al
- [X] US 2018278002 A1 20180927 - LAI TZU-CHIEN [TW], et al
- [A] US 2009227122 A1 20090910 - JUBELIRER MATTHEW [US], et al
- [A] US 2004109722 A1 20040610 - HUANG YEA YEN [TW]

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