

Title (en)
DIRECT-PLUG-IN TYPE RELAY SOCKET

Title (de)
RELAISFASSUNG MIT DIREKTEINSTECKVERBINDUNG

Title (fr)
SOCLE DE RELAIS DE TYPE À ENFICHAGE DIRECT

Publication
EP 4131666 A4 20240327 (EN)

Application
EP 21774683 A 20210322

Priority

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- CN 202010218344 A 20200325
- CN 202010218966 A 20200325
- CN 2021082110 W 20210322

Abstract (en)
[origin: EP4131666A1] Provided is a direct-plug-in type relay socket capable of preventing welding pollution. The direct-plug-in type relay socket comprises a base, a leading-out member, a spring piece, an input clamping spring and an inner wire, wherein the base is provided with a first accommodating cavity and a second accommodating cavity, and the leading-out member and the spring piece are arranged in the first accommodating cavity of the base; the leading-out member comprises an internal connection part and an external connection part, And the spring piece cooperates with the external connection part such that a plugged-in outer wire can be tightly pressed on the external connection part; the input clamping spring is arranged in the second accommodating cavity of the base; and two ends of the inner wire are respectively electrically connected to the internal connection part of the leading-out member and the input clamping spring by means of laser welding.

IPC 8 full level
H01R 13/02 (2006.01); **H01H 1/58** (2006.01); **H01H 50/04** (2006.01); **H01R 4/02** (2006.01); **H01R 4/48** (2006.01); **H01R 9/26** (2006.01); **H01R 13/502** (2006.01); **H01R 11/05** (2006.01); **H01R 13/11** (2006.01)

CPC (source: EP US)
H01H 50/048 (2013.01 - EP); **H01R 4/029** (2013.01 - EP); **H01R 4/4821** (2023.08 - EP US); **H01R 4/485** (2023.08 - EP US); **H01R 9/2675** (2013.01 - EP); **H01H 1/5844** (2013.01 - EP); **H01R 4/4842** (2023.08 - EP US); **H01R 4/4852** (2023.08 - EP US); **H01R 11/05** (2013.01 - EP); **H01R 13/112** (2013.01 - EP)

Citation (search report)

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- See also references of WO 2021190454A1

Designated contracting state (EPC)
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