

Title (en)

ELECTRICAL CONNECTOR AND ELECTRICAL CONNECTION

Title (de)

ELEKTRISCHER STECKVERBINDER UND ELEKTRISCHE STECKVERBINDUNG

Title (fr)

CONNECTEUR ENFICHABLE ÉLECTRIQUE ET CONNEXION ENFICHABLE ÉLECTRIQUE

Publication

**EP 4293834 B1 20240807 (DE)**

Application

**EP 22178603 A 20220613**

Priority

EP 22178603 A 20220613

Abstract (en)

[origin: US2023402778A1] An electrical plug-in connector for transmitting a differential signal between a first interface and a second interface comprises a first contact element and a second contact element. A longitudinal axis of the first and second contact element in a first longitudinal portion, at the interface, is oriented at a first angle ( $\phi_1$ ) with respect to a second longitudinal portion of the contact elements at the second interface. A third longitudinal portion of the contact elements is between the first and second longitudinal portions, where at the contact elements are each bent, relative to a first axis of rotation that is orthogonal to the longitudinal axes in the first and second longitudinal portions, through a first angle of rotation  $\phi_1$ . In the third longitudinal portion the contact elements are each additionally bent through a second angle of rotation  $\phi_2$ .

IPC 8 full level

**H01R 12/72** (2011.01); **H01R 13/6473** (2011.01)

CPC (source: EP US)

**H01R 12/724** (2013.01 - EP US); **H01R 12/75** (2013.01 - US); **H01R 13/6473** (2013.01 - EP US)

Designated contracting state (EPC)

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**EP 22178603 A 20220613**; CN 202310693994 A 20230613; US 202318207885 A 20230609