

Title (en)  
CONNECTING DEVICE

Title (de)  
VERBINDUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE RACCORDEMENT

Publication  
**EP 4184721 A1 20230524 (EN)**

Application  
**EP 21842739 A 20210712**

Priority  
• JP 2020122599 A 20200717  
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Abstract (en)  
In a connector, when an elastic member (4) is in a non-connected state, a restoring force vector (81) of the elastic member (4) approximately coincides with a straight line connecting a first portion (513) and a second portion (514), i.e., a reference line (82), and the restoring force and the reaction force are balanced. Thus, the position of an operating section (5) is maintained and the elastic member (4) is maintained in the non-connected state. When the position of the operating section (5) is changed and the restoring force vector (81) deviates from the reference line (82) while an electric cable is inserted between a terminal (3) and the elastic member (4) in the non-connected state, the elastic member (4) is restored from the non-connected state by the restoring force and transitions to a connected state in which the electric cable is sandwiched between the terminal (3) and the elastic member (4). This simplifies the structure of the connector.

IPC 8 full level  
**H01R 4/48** (2006.01)

CPC (source: EP US)  
**H01R 4/4816** (2023.08 - EP); **H01R 4/483** (2023.08 - EP US); **H01R 4/4835** (2023.08 - EP US); **H01R 9/24** (2013.01 - EP);  
**H01R 4/4821** (2023.08 - EP US); **H01R 4/485** (2023.08 - EP US)

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BA ME

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KH MA MD TN

DOCDB simple family (publication)  
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