

Title (en)

QUICK INSTALL SYSTEM FOR PANEL-MOUNT ELECTRICAL CONNECTORS

Title (de)

SCHNELLMONTAGESYSTEM FÜR PLATTENFÖRMIGE ELEKTRISCHE VERBINDER

Title (fr)

SYSTÈME D'INSTALLATION RAPIDE POUR CONNECTEURS ÉLECTRIQUES MONTÉS SUR PANNEAU

Publication

EP 4228107 A1 20230816 (EN)

Application

EP 22305155 A 20220211

Priority

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Abstract (en)

The invention relates to a frame assembly (1) for mounting an electric connector (97) to a panel (23) and to a panel mount connector (69) for mounting to a panel (23). Prior art solutions for mounting an electrical connector (97) to a panel (23) are cumbersome and time-consuming. A faster mounting is achieved by the inventive frame assembly (1) in that it comprises a frame member (3) that is configured to be mounted to the panel (23) and in that it is configured to receive the connector (97), the frame assembly (1) further comprising a mounting pin (19) and latching means (15) for mounting the frame member (3) to the panel (23). The panel mount connector (69) improves prior art solutions by comprising at least one through opening (75), the through opening (75) being configured to receive the mounting pin (19) of a frame assembly (1) according to the invention.

IPC 8 full level

H01R 13/74 (2006.01)

CPC (source: EP)

H01R 13/745 (2013.01)

Citation (search report)

- [XY] EP 0684664 A1 19951129 - FRAMATOME CONNECTORS INT [FR]
- [X] EP 0691712 A1 19960110 - FRAMATOME CONNECTORS INT [FR]
- [XY] EP 3893337 A1 20211013 - CONNECTEURS ELECTRIQUES DEUTSCH [FR]
- [X] US 7607930 B1 20091027 - WU JERRY [US]
- [X] MEYER G E: "SPRING RETAINER FOR RETENTION OF CABLE CONNECTOR", IBM TECHNICAL DISCLOSURE BULLETIN, INTERNATIONAL BUSINESS MACHINES CORP. (THORNWOOD), US, vol. 20, no. 5, 1 October 1977 (1977-10-01), XP002053729, ISSN: 0018-8689

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