

Title (en)

BUS COUPLING WITHOUT PLUG CONNECTIONS FOR AUTOMATION DEVICES

Title (de)

BUSANKOPPLUNG OHNE STECKVERBINDUNGEN FÜR AUTOMATISIERUNGSGERÄTE

Title (fr)

ACCOUPLEMENT DE BUS SANS CONNEXIONS A FICHES POUR APPAREILS D'AUTOMATISATION

Publication

**EP 1652013 A2 20060503 (DE)**

Application

**EP 04741005 A 20040714**

Priority

- EP 2004007796 W 20040714
- DE 10336572 A 20030808

Abstract (en)

[origin: WO2005018141A2] The aim of the invention is to couple load feeders to back plane buses without the danger of the junctions being damaged. For this purpose, a back plane bus module (RM2) is provided with a coupling element, especially a BUS-ASIC (BA2) with which a point-to-point communication link to the automation device or the load feeder (VA2) can be established. An optical interface (C2, OE1) is connected to the BUS-ASIC (BA2) and is used to establish communication to a load feeder (VA2) by optical means. The optical coupling can for example prevent plug connections from being damaged when the load feeder is coupled thereto and at the same time provide for galvanic separation.

IPC 1-7

**G05B 19/42**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2005018141A2

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