

Title (en)

Modular system with connecting bridge for an internal bus conductor

Title (de)

Busmodulsystem mit Verbindungsbrücke für einen internen Busleiter

Title (fr)

Système modulaire avec pont connecteur pour une ligne de bus interne

Publication

EP 1715547 A3 20080416 (DE)

Application

EP 06110891 A 20060309

Priority

DE 202005006237 U 20050418

Abstract (en)

[origin: EP1715547A2] The bus system has connectors (5) provided at the ends of the electrical conductors of serially connected electrical modules (1, 2). A pluggable connecting bridge (11) including conducting bridge units connects the connectors of the adjacent modules. The connectors are designed as directly pluggable terminals with the clamping springs for connection with the bridge units. An unlocking device detaches the bridge units from the springs. The adjacent modules are connected mechanically by a profiled bar, which is parallel to the bridge units, and a dual tongue and groove connection between the adjacent modules.

IPC 8 full level

H01R 9/26 (2006.01); **H01R 13/633** (2006.01)

CPC (source: EP US)

H01R 4/48365 (2023.08 - EP US); **H01R 9/2675** (2013.01 - EP US); **H01R 13/6335** (2013.01 - EP US); **H01R 9/2658** (2013.01 - EP US); **H01R 13/62966** (2013.01 - EP US); **H01R 31/08** (2013.01 - EP US)

Citation (search report)

- [XY] US 4171861 A 19791023 - HOHORST WOLFGANG [DE]
- [Y] EP 1353413 A1 20031015 - OMRON TATEISI ELECTRONICS CO [JP]
- [A] US 4883430 A 19891128 - SIEMON JOHN A [US], et al
- [A] WO 03047059 A1 20030605 - SIEMENS AG [DE], et al
- [E] EP 1667286 A2 20060607 - WEIDMUELLER INTERFACE [DE]

Cited by

EP2854224A1; FR3005233A1; EP2204886A1; FR2940860A1; EP3176876A1; US9768570B2; WO2015043937A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1715547 A2 20061025; EP 1715547 A3 20080416; EP 1715547 B1 20150422; CN 100574009 C 20091223; CN 1862883 A 20061115; DE 202005006237 U1 20060831; US 2006266196 A1 20061130; US 7311543 B2 20071225

DOCDB simple family (application)

EP 06110891 A 20060309; CN 200610075237 A 20060417; DE 202005006237 U 20050418; US 40344706 A 20060413