

Title (en)

Modular control apparatus for control and automatic systems

Title (de)

Modulare Steuerungsanlage für Steuerungs- und Automatisierungssysteme

Title (fr)

Installation de contrôle modulaire pour des systèmes de contrôle et de réglage

Publication

**EP 1251595 B1 20040811 (DE)**

Application

**EP 01109714 A 20010420**

Priority

EP 01109714 A 20010420

Abstract (en)

[origin: EP1251595A1] The system consists of modular individual components such as input or output modules (10), control units or similar connected to a voltage supply (1) and a field bus (2). An individual component is arranged in a stand-alone self-supporting individual component housing with a cable connection to an external element, e.g. an actuator, and mechanical and electrical connections to other component housings.

IPC 1-7

**H01R 13/514**; **H01R 13/66**

IPC 8 full level

**H01R 13/514** (2006.01); **H01R 13/66** (2006.01); **H01R 9/24** (2006.01)

CPC (source: EP)

**H01R 13/514** (2013.01); **H01R 13/665** (2013.01); **H01R 9/2458** (2013.01); **H01R 9/2491** (2013.01)

Cited by

CN109586050A; EP3078080A4; DE102006051280C5; DE102006051281C5; CN116587256A; DE202004011880U1; CN107317157A; EP1696518A1; USRE48517E; WO2015084246A1; WO2018109124A1; DE102016116127A1; US10122126B2; US7341483B2; US10806047B2; EP2244335B1; EP2183751A4; EP2642602A1; EP2642603A1; EP3441984A1; EP2642602B1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**EP 1251595 A1 20021023**; **EP 1251595 B1 20040811**; AT E268508 T1 20040615; DE 50103214 D1 20040916; DE 50200491 D1 20040708

DOCDB simple family (application)

**EP 01109714 A 20010420**; AT 02008928 T 20020422; DE 50103214 T 20010420; DE 50200491 T 20020422