

Title (en)

Process connections for the safe operation of safety and security installations

Title (de)

Prozessanschaltung für das sichere Betreiben von sicherungstechnischen Einrichtungen

Title (fr)

Raccords de procédé utilisés pour faire fonctionner de manière sûre des dispositifs de sécurité

Publication

EP 1535822 A3 20060816 (DE)

Application

EP 04090433 A 20041115

Priority

DE 10355864 A 20031125

Abstract (en)

[origin: EP1535822A2] The process interface for the safe operating of safety technological devices comprises function modules (3a,3b,3c) combined with one another, the functionalities of which are common to different process interfaces. At least one function module is a safe computer (2), whereby the communication between the computer and the other function modules is through a serial bus (5) which may be in the form of telegrams. The communication with the function modules includes data exchange and the control and status interrogation of the function modules.

IPC 8 full level

B61L 21/04 (2006.01); **B61L 19/06** (2006.01)

CPC (source: EP)

B61L 19/06 (2013.01); **B61L 21/04** (2013.01)

Citation (search report)

- [X] WO 03095284 A1 20031120 - SIEMENS AG [DE], et al
- [A] BARTEN M ET AL: "EINSATZ DES PROFIBUS FUER SICHERHEITSRELEVANTE ANWENDUNGEN SAFETY-RELATED PROFIBUS APPLICATIONS FOR RAIL TRAFFIC CONTROL", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 90, no. 4, April 1998 (1998-04-01), pages 12 - 16, XP009018730, ISSN: 0037-4997
- [A] SCHUERMANS P: "SICHERES SERIELLES BUS-KONZEPT AUF DER BASIS DES CAN-BUS", SIGNAL + DRAHT, TELZLAFF VERLAG GMBH. DARMSTADT, DE, vol. 83, no. 10, October 1991 (1991-10-01), pages 248 - 252, XP000297204, ISSN: 0037-4997

Cited by

WO2008090130A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1535822 A2 20050601; **EP 1535822 A3 20060816**; DE 10355864 A1 20050714

DOCDB simple family (application)

EP 04090433 A 20041115; DE 10355864 A 20031125