

Title (en)
PROCESS CONNECTIONS FOR THE SAFE OPERATION OF SAFETY AND SECURITY INSTALLATIONS

Title (de)
PROZESSANSCHALTUNGEN FUER DAS SICHERE BETREIBEN VON SICHERUNGSTECHNISCHEN EINRICHTUNGEN

Title (fr)
RACCORDS DE PROCEDE UTILISES POUR FAIRE FONCTIONNER DE MANIERE SURE DES DISPOSITIFS DE SECURITE

Publication
EP 1501714 B1 20060614 (DE)

Application
EP 03749837 A 20030425

Priority
• DE 0301386 W 20030425
• DE 10221575 A 20020508

Abstract (en)
[origin: WO03095284A1] The invention relates to process connections for safely operating safety and security installations, particularly for triggering signal lamps (11.1, 11.2, 11.3), points mechanisms (13), axle counters, clear-signaling devices, speed metering devices, train stops, and for secure contact inquiries. A component-reduced design is characterized by functional modules (3), the functionalities (Fkt_1, Fkt_2, Fkt...) of which are common to several different process connections.

IPC 8 full level
B61L 19/06 (2006.01); **B61L 7/06** (2006.01)

CPC (source: EP)
B61L 7/06 (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03095284 A1 20031120; AT E329812 T1 20060715; AU 2003243887 A1 20031111; DE 10221575 A1 20031204; DE 50303840 D1 20060727; DK 1501714 T3 20061023; EP 1501714 A1 20050202; EP 1501714 B1 20060614; ES 2266848 T3 20070301; NO 20045342 L 20041206; PT 1501714 E 20060929

DOCDB simple family (application)
DE 0301386 W 20030425; AT 03749837 T 20030425; AU 2003243887 A 20030425; DE 10221575 A 20020508; DE 50303840 T 20030425; DK 03749837 T 20030425; EP 03749837 A 20030425; ES 03749837 T 20030425; NO 20045342 A 20041206; PT 03749837 T 20030425