

Title (en)

DEVICE FOR CONTROLLING A SAFETY-CRITICAL PROCESS

Title (de)

VORRICHTUNG ZUM STEUERN EINES SICHERHEITSKRITISCHEN PROZESSES

Title (fr)

DISPOSITIF DE COMMANDE D'UN PROCESSUS DE SÉCURITÉ CRITIQUE

Publication

EP 4229485 A1 20230823 (DE)

Application

EP 21791383 A 20211014

Priority

- DE 102020127515 A 20201019
- EP 2021078524 W 20211014

Abstract (en)

[origin: WO2022084161A1] The invention relates to a device (10) and a method (100) for controlling a safety-critical process on a technical plant. A first protected signal unit (12) and a second protected signal unit (14), which are connected to the safety-critical process (20) by input-output channels (18), are configured to safely communicate with one another on a logical level in order to control the safety-critical process (20). The physical connection is implemented via a mains supply (16).

IPC 8 full level

G05B 9/02 (2006.01)

CPC (source: EP US)

G05B 9/02 (2013.01 - EP); **G05B 19/0425** (2013.01 - EP); **G05B 19/406** (2013.01 - US); **G05B 2219/24028** (2013.01 - EP); **G05B 2219/25462** (2013.01 - EP); **G05B 2219/50193** (2013.01 - US)

Citation (search report)

See references of WO 2022084161A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022084161 A1 20220428; CN 116438489 A 20230714; DE 102020127515 A1 20220421; EP 4229485 A1 20230823; JP 2023547801 A 20231114; US 2023259098 A1 20230817

DOCDB simple family (application)

EP 2021078524 W 20211014; CN 202180070546 A 20211014; DE 102020127515 A 20201019; EP 21791383 A 20211014; JP 2023522778 A 20211014; US 202318303339 A 20230419