

Title (en)
LEVEL CONVERTER

Title (de)
PEGELWANDLER

Title (fr)
CONVERTISSEUR DE NIVEAU

Publication
EP 4295485 A1 20231227 (DE)

Application
EP 22709195 A 20220127

Priority
• DE 102021103807 A 20210218
• EP 2022051858 W 20220127

Abstract (en)
[origin: WO2022175050A1] The invention relates to a level converter (L) for adjusting a first reference potential (P1) and/or a first communication voltage (K1) of a first component (E1) to a second reference potential (P2) and/or a second communication voltage (K2) of a second component (E2), wherein the level converter (L) is arranged between the first component (E1) and the second component (E2), wherein the level converter (L) has a first transistor (T1) with a downstream first resistor (R1), wherein the level converter (L) is configured in such a way that the second reference potential (P2) drops at the first resistor (R1) in a blocked state of the first transistor (T1) and that the second communication voltage (K2) drops at the first resistor (R1) in an open state of the first transistor (T1).

IPC 8 full level
H03K 5/02 (2006.01); **H03K 19/0175** (2006.01)

CPC (source: EP US)
H03K 5/02 (2013.01 - EP); **H03K 19/017518** (2013.01 - EP US); **H03K 19/01806** (2013.01 - US)

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)
DE 102021103807 A1 20220818; CN 116848784 A 20231003; EP 4295485 A1 20231227; US 2024137021 A1 20240425;
US 2024235551 A9 20240711; WO 2022175050 A1 20220825

DOCDB simple family (application)
DE 102021103807 A 20210218; CN 202280014343 A 20220127; EP 2022051858 W 20220127; EP 22709195 A 20220127;
US 202218546347 A 20220127