

Title (en)

DEVICE FOR PROVIDING A REGULATED OUTPUT VOLTAGE, USE, CHIP AND METHOD

Title (de)

VORRICHTUNG ZUM BEREITSTELLEN EINER GEREGLTEN AUSGANGSSPANNUNG, VERWENDUNG, CHIP UND VERFAHREN

Title (fr)

DISPOSITIF POUR FOURNIR UNE TENSION DE SORTIE RÉGULÉE, UTILISATION, PUCE ET PROCÉDÉ

Publication

**EP 4078325 A1 20221026 (DE)**

Application

**EP 20819652 A 20201130**

Priority

- DE 102019135535 A 20191220
- EP 2020083905 W 20201130

Abstract (en)

[origin: WO2021121926A1] The invention relates to a device (22) for providing a regulated supply voltage (VREG) from an unregulated voltage (VE), comprising a voltage regulation circuit (1), wherein a diode (20, 21) connected in parallel to the voltage regulation circuit (1) is provided. The invention further relates to the use of a device (22) of this kind, a chip (28) with integrated circuitry, and a method for providing a regulated supply voltage (VREG) from an unregulated voltage (VE).

IPC 8 full level

**G05F 1/575** (2006.01); **G05F 1/59** (2006.01)

CPC (source: EP)

**G05F 1/575** (2013.01); **G05F 1/59** (2013.01); **H03F 3/45183** (2013.01)

Citation (search report)

See references of WO 2021121926A1

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 102019135535 A1 20210624**; EP 4078325 A1 20221026; WO 2021121926 A1 20210624

DOCDB simple family (application)

**DE 102019135535 A 20191220**; EP 2020083905 W 20201130; EP 20819652 A 20201130