

Title (en)  
SEMICONDUCTOR COMPONENT

Title (de)  
HALBLEITERBAUTEIL

Title (fr)  
COMPOSANT SEMI-CONDUCTEUR

Publication  
**EP 3637959 B1 20230405 (DE)**

Application  
**EP 19200685 A 20191001**

Priority  
DE 202018004757 U 20181012

Abstract (en)  
[origin: US2020120773A1] A semiconductor device for outputting a control parameter includes a receiving unit, a storage unit and an output unit. The semiconductor device also contains antenna connections, supply connections and at least one output connection for outputting a control parameter signal. The receiving unit contains connections for connection to an antenna, from which the receiving unit receives signals. The receiving unit converts the signals received from the antenna into data. The data are stored in the storage unit. The semiconductor device outputs an output signal at the output connection on the basis of the data stored in the storage unit. The semiconductor device additionally contains a calculation unit which determines the operating hours (time) of the semiconductor device. The output signal depends both on the data stored in the storage unit and on the determined operating hours (time).

IPC 8 full level  
**H05B 45/10** (2020.01); **H05B 47/10** (2020.01); **H05B 47/19** (2020.01); **H05B 47/20** (2020.01)

CPC (source: EP US)  
**H05B 45/10** (2020.01 - EP); **H05B 45/20** (2020.01 - US); **H05B 47/10** (2020.01 - EP); **H05B 47/19** (2020.01 - EP US); **H05B 47/1965** (2024.01 - EP); **H05B 47/20** (2020.01 - EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**DE 202018004757 U1 20190116**; CN 111132411 A 20200508; CN 111132411 B 20220617; EP 3637959 A1 20200415; EP 3637959 B1 20230405; EP 4164337 A1 20230412; US 10779382 B2 20200915; US 2020120773 A1 20200416

DOCDB simple family (application)  
**DE 202018004757 U 20181012**; CN 201910957203 A 20191010; EP 19200685 A 20191001; EP 22210759 A 20191001; US 201916595823 A 20191008