

Title (en)  
AUTOMATION FIELD DEVICE

Title (de)  
FELDGERÄT DER AUTOMATISIERUNGSTECHNIK

Title (fr)  
DISPOSITIF DE TERRAIN D'AUTOMATISATION

Publication  
**EP 4139753 A1 20230301 (DE)**

Application  
**EP 21720235 A 20210419**

Priority  
• DE 102020111125 A 20200423  
• EP 2021060030 W 20210419

Abstract (en)  
[origin: WO2021213958A1] The invention relates to an automation field device (17), at least comprising: - at least a first, a second and a third connection pin; - field device electronics (16), which are designed such that the field device electronics can be operated either in a two-conductor mode or in a three-conductor mode. The field device electronics have an energy supply unit (6), which is designed to provide internal energy supply exclusively by means of the fed current in the two-conductor mode. In the three-conductor mode, an additional auxiliary current is to be fed to the field device electronics by means of an additional single-wire line (15c) to be connected to the third connection pin, and the energy supply unit (6) is also designed to provide the internal energy supply by means of the fed current and the fed additional auxiliary current. Furthermore, the field device electronics (16) are designed to use the additionally fed auxiliary current for internal energy supply only if the current fed by means of the two-wire line is not sufficient for the internal energy supply.

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**G05B 19/042** (2006.01)

CPC (source: EP US)  
**G05B 19/042** (2013.01 - EP); **G05B 19/05** (2013.01 - US); **G05B 2219/13015** (2013.01 - US)

Citation (search report)  
See references of WO 2021213958A1

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