

Title (en)  
AUTOMATION FIELD DEVICE

Title (de)  
FELDGERÄT DER AUTOMATISIERUNGSTECHNIK

Title (fr)  
DISPOSITIF DE CHAMP D'AUTOMATISATION

Publication  
**EP 4028838 A1 20220720 (DE)**

Application  
**EP 20761545 A 20200820**

Priority  
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Abstract (en)  
[origin: WO2021047885A1] The invention relates to an automation field device having: - a metal housing (1) having a housing opening (2); - an electronic unit (3) which is arranged in a housing interior (GI) and has at least one printed circuit board (4; 13); - a cable connection (5) arranged in the housing opening (2) and leading into the housing interior (GI) and having a plastic portion (KA), a cable having another plastic portion (KA2) being able to be connected to said cable connection (5), - an antenna (6) which is arranged on a first printed circuit board (4) of the electronic unit (3), - the antenna (6) being designed to transmit and receive electromagnetic waves (EW) of at least one predefined wavelength, - the antenna (6) being configured such that it is designed to transmit electromagnetic waves (EW) towards the housing opening (2) and to receive electromagnetic waves (EW) to be received from the direction of the housing opening (2), - and the plastic portions (KA,KA2) being permeable to the electromagnetic waves (EW) such that electromagnetic waves (EW) transmitted by the antenna (6) can be transmitted out of the housing interior (GI) via the plastic portions (KA,KA2) and electromagnetic waves (EW) to be received by the antenna (6) can be transmitted into the housing interior (GI) via the plastic portions (KA, KA2).

IPC 8 full level  
**G05B 19/042** (2006.01)

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Citation (search report)  
See references of WO 2021047885A1

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