

Title (en)

JOINING TWO COMPONENTS OF A FIELD DEVICE FOR PROCESSING AND AUTOMATION TECHNOLOGY

Title (de)

FÜGEN VON ZWEI BAUTEILEN EINES FELDDGERÄTS DER PROZESS- UND AUTOMATISIERUNGSTECHNIK

Title (fr)

ASSEMBLAGE DE DEUX ÉLÉMENTS D'UN DISPOSITIF DE TERRAIN DE TECHNOLOGIE DE TRAITEMENT ET D'AUTOMATISATION

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Application

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Abstract (en)

[origin: WO2021121863A1] The invention relates to a device (1) consisting of at least one first (2) and one second (3) component, wherein the first (2) and the second component (3) are components of a field device for processing and automation technology, which can each be mechanically connected at a joining surface (4, 5) by means of a joining point (6), with two metal surface layers (7) which are each applied at least to the joining surface of the first component (4) and the joining surface of the second component (5), wherein the metal of the surface layers (7) is different from the metal of the first (2) and/or the metal of the second component (3), and consisting of the joining point (6), wherein a joining material (8) is applied between the respective joining surfaces of the two components (4, 5), wherein the joining material (8) comprises at least particles at least partially consisting of a metal, wherein the metal of the joining material (8) corresponds with the metal of the surface layers (7), wherein the joining of the two components (2, 3) occurs at a joining temperature below 300 °C.

IPC 8 full level

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