Title (en)

POWER CONVERTER WITH COLOR-ANODIZED ALUMINUM BUSBARS, AND METHOD FOR PRODUCING SUCH A POWER CONVERTER

Title (de)

STROMRICHTER MIT FARBIG ELOXIERTEN ALUMINIUMSTROMSCHIENEN UND HERSTELLVERFAHREN FÜR EINEN DERARTIGEN STROMRICHTER

Title (fr)

CONVERTISSEUR DE PUISSANCE À BARRES OMNIBUS EN ALUMINIUM ANODISÉES EN COULEUR ET PROCÉDÉ DE FABRICATION D'UN TEL CONVERTISSEUR DE PUISSANCE

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Abstract (en)

[origin: WO2022008122A1] The invention relates to a method for producing an aluminum busbar (1) for a power converter (10). In order to improve the installation and maintenance of a power converter with such an aluminum busbar, the surface (2) or at least parts (21, 22, 23) of the surface (2) of the aluminum busbar (1) is provided with one or more specifiable colors using an anodizing treatment in a first step. In a second step, a cold gas coating is used at least on a first part (21) of the surface in order to produce a contact surface. The invention additionally relates to an aluminum busbar (1) for a power converter (10), said busbar being produced using such a method, wherein the surface (2) of the aluminum busbar (1) has a specified color which was applied onto the surface (2) using the anodizing treatment. The invention additionally relates to a power converter (10) with at least one such aluminum busbar (1), the color of at least two of the busbars (1) of the power converter (10) differing.

IPC 8 full level

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