

Title (en)
PRODUCTION PROCESS FOR A CONTACT ELEMENT FOR VACUUM SWITCHES, CONTACT ELEMENT AND VACUUM SWITCH

Title (de)
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Title (fr)
PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT DE CONTACT POUR INTERRUPTEUR À VIDE, ÉLÉMENT DE CONTACT ET INTERRUPTEUR À VIDE

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Abstract (en)
[origin: WO2023046562A1] The present invention relates to a process for producing a contact element (10, 20) for a vacuum switch (100). In this process, a first powder-like mixture (32), comprising particles of the first conductive material and particles of the second conductive material, or a first pre-pressed, disc-shaped green body consisting of a composite of at least the first conductive material and the second conductive material, is introduced into a pressing die (210, 240). An inner pressing stamp (220) is introduced into the die and a second powder (31, 31A) of the first conductive material or a second powder-like mixture comprising particles of the first conductive material or a second pre-pressed green body comprising the first conductive material is introduced into an intermediate space between the die and the inner pressing stamp. An outer pressing stamp (230) is introduced into the intermediate space between the die and the inner pressing stamp. Pressing pressure (A, B) is exerted on the outer and inner pressing stamps, in such a way that a disc-shaped region forming a contact disc (12, 22) of the contact element (10) is created from the first powder-like mixture (32) or the first green body, and a region forming a contact body (11, 21) or contact carrier of the contact element is created from the second powder (31, 31A) or the second powder-like mixture or the second green body.

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