

Title (en)  
METHOD FOR PRODUCING A COMPONENT WITH A COMPOUND STRUCTURE

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES BAUTEILS MIT EINER VERBUNDSTRUKTUR

Title (fr)  
PROCÉDÉ DE FABRICATION D'UNE PIÈCE DE STRUCTURE COMPOSITE

Publication  
**EP 2695687 B1 20170322 (DE)**

Application  
**EP 13003884 A 20130802**

Priority  
DE 102012015944 A 20120810

Abstract (en)  
[origin: EP2695687A1] Producing a component with a composite structure, comprises introducing at least one molded part (1) made of fiber composite material into a casting mold, providing a section of the molded part with a covering, and casting at least one section of the molded part with the metallic material in a casting process, or connecting at least one section of the molded part with the metallic material, providing the covering for the section of the molded part, introducing the covering in the casting mold, casting with the metallic material, and connecting the molded part with the covering. Producing a component with a composite structure made of a fiber composite material and a metallic material, comprises introducing at least one molded part (1) made of fiber composite material into a casting mold, providing a section of the molded part with an electrically insulating covering, prior to the casting process for preventing a contact of the fiber composite material with the metal material and connecting with the molded part and the metallic material in a positive- and/or force-fitting manner, and casting at least one section of the molded part with the metallic material in a casting process, or connecting at least one section of the molded part made of the fiber composite material with the metallic material, providing the electrically insulating covering at least for the section of the molded part, introducing the electrically insulating covering in the casting mold and casting with the metallic material in the casting process, and connecting the molded part with the electrically insulating covering, after the casting process. An independent claim is also included for the component comprising the composite structure made of the fiber composite material and the metallic material, where at least one section of the molded part is embedded in a matrix made of the metallic material and is separated by the electrically insulating covering from the metallic material.

IPC 8 full level  
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CPC (source: EP)  
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