

Title (en)
PRODUCTION METHOD FOR ALUMINUM ALLOY-BASED COMPOSITE MATERIAL, AND ALUMINUM ALLOY-BASED COMPOSITE MATERIAL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON VERBUNDWERKSTOFF AUF ALUMINIUMLEGIERUNGSBASIS UND VERBUNDWERKSTOFF AUF ALUMINIUMLEGIERUNGSBASIS

Title (fr)
PROCÉDÉ DE PRODUCTION D'UN MATÉRIAU COMPOSITE À BASE D'ALLIAGE D'ALUMINIUM, ET MATÉRIAU COMPOSITE À BASE D'ALLIAGE D'ALUMINIUM

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Abstract (en)
[origin: EP3719151A1] Provided is a method for producing an aluminum alloy-based composite material, the method enabling uniform impregnation with an aluminum alloy. The present invention provides a method for producing an aluminum alloy-based composite material containing a ceramic powder being a reinforcement material composited in an aluminum alloy, the method including: a filling step of filling the ceramic powder into a porous container formed of a porous material, and tightly closing the porous container with a lid part; a step of placing the porous container in a mold, and pouring a melt of the aluminum alloy into the mold; and an impregnation step of applying pressure to the melt in the mold, thereby impregnating the ceramic powder inside the porous container with the melt through the porous container, and also provides an aluminum alloy-based composite material.

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