

Title (en)

METHOD FOR FOAMING METAL IN A LIQUID BATH

Title (de)

VERFAHREN ZUM SCHÄUMEN VON METALL IM FLÜSSIGKEITSBAD

Title (fr)

PROCÉDÉ DE MOUSSAGE DE MÉTAL DANS UN BAIN DE LIQUIDE

Publication

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Application

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Abstract (en)

[origin: WO2019053184A1] The invention relates to a method for producing a metal foam of at least one first metal that contains the main constituent Mg, Al, Pb, Au, Zn, Ti or Fe in a quantity of at least approximately 80 wt. %, in relation to the quantity of the at least one first metal, said method comprising the following steps: (I) providing a semi-finished product comprising a foamable mixture that comprises the at least one first metal and at least one foaming agent, (II) submerging the semi-finished product in a heatable bath comprising a liquid, and (III) heating the semi-finished product in the bath in order to foam the foamable mixture by removing gas from the at least one foaming agent for forming the metal foam. The invention also relates to a metal foam, to a composite material that can be obtained by the method, and to a component comprising the metal foam and/or the composite material.

IPC 8 full level

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