

Title (en)

METHOD FOR PRODUCING METAL PRODUCTS

Title (de)

VERFAHREN ZUM HERSTELLEN VON ERZEUGNISSEN AUS METALL

Title (fr)

PROCEDE DE FABRICATION DE PRODUITS EN METAL

Publication

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Application

EP 05748361 A 20050616

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Abstract (en)

[origin: WO2005123305A2] The invention relates to a method for producing products from metal, such as powders, foils, coats, and shaped articles, such as bolts, tubes or metal sheets from metal in the form of semi-finished products (15). According to said method, the metal of the semi-finished articles (15) is molten and atomized by means of an inductive magnetic field (12), and left to solidify to a powder in a chamber (25) or sprayed onto a support and left to solidify on said support. The molten metal is supplied as a film (21), stabilized by gas flows (14), in a gas nozzle (10) that is either configured as a Laval or a Venturi nozzle, and is then atomized by additional gas flows (13).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2005123305A2

Cited by

DE102013022096A1; WO2015092008A1; CN108247075A; DE102013022096B4; DE202014011339U1; US10946449B2; EP3083107B1

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