

Title (en)
PRODUCTION OF A METAL POWDER

Title (de)
HERSTELLUNG EINES METALLPULVERS

Title (fr)
PRODUCTION D'UNE POUDRE MÉTALLIQUE

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Application
EP 21778358 A 20210908

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Abstract (en)
[origin: WO2022053488A1] The invention relates to a device (1) for producing a metal powder, comprising - a tundish (2) for producing a melt (3), - a rotary plate (5) having an axis of rotation (4), which rotary plate (5) is positioned after the tundish (2) when viewed in a flow direction (6) of the melt (3), the rotary plate (5) being rotatable in order to atomise the melt (3) on a surface (5a) of the rotary plate (5), - a nozzle (7) which is fluidically connected to the tundish (2) and intended for pouring the melt (3) onto the rotary plate (5), - a primary gas nozzle (8) which at least partially surrounds the nozzle (7) and is intended for stabilising the melt (3), and - a secondary gas nozzle (9) positioned between the tundish (2) and the rotary plate (5). In order to provide an improved device (1), according to the invention, at least one outlet (9a) of the secondary gas nozzle (9) is arranged, at least partially, further out than the rotary plate (5) in a radial direction (10) relative to the axis of rotation (4), in order to act on the atomised melt (3) which has solidified into metal particles (11) leaving the rotary plate (5).

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