

Title (en)
DEVICE FOR THERMAL COATING OF A SURFACE

Title (de)
VORRICHTUNG ZUM THERMISCHEN BESCHICHTEN EINER OBERFLÄCHE

Title (fr)
DISPOSITIF DE REVÊTEMENT A CHAUD D'UNE SURFACE

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Application
EP 12701688 A 20120106

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Abstract (en)
[origin: WO2012095371A1] The invention relates to a device for thermally coating a surface, comprising a wire supplying element (4) for supplying a wire (5) acting as a first electrode, a plasma gas source for producing a plasma gas stream, a nozzle body (2) comprising a nozzle opening (3) through which the plasma gas stream is guided as a plasma gas jet to a wire end (8), and a second electrode (7) arranged in the plasma gas stream before said stream enters the nozzle opening (3). The invention is characterised in that the wire supplying device (4) can be adjusted, whereby the wire end (8) arranged in front of the nozzle opening (3) can be moved along a defined adjustment path. In this way, assembly tolerances in the device can be easily compensated and a high and constant quality of the coating is obtained.

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