

Title (en)
SURFACE HARDENING BY PARTICLE INJECTION INTO HIGH ENERGY BEAM MELTED SURFACE

Title (de)
HÄRTEN EINER OBERFLÄCHE DURCH INJEKTION VON PARTIKELN IN EINE DURCH EINEN HOCHENERGITISCHEN STRAHL GESCHMOLZENE FLÄCHE

Title (fr)
TREMPE SUPERFICIELLE PAR INJECTION DE PARTICULES DANS UNE SURFACE FONDUE PAR UN FAISCEAU DE HAUTE ENERGIE

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Application
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Priority

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Abstract (en)
[origin: WO9956906A1] The present invention relates to a method for treating functional surfaces, i.e. surfaces determining tolerance and position accuracy, on objects (26) of metal, hereafter named matrix material. The invention is characterised in that the functional surfaces are obtained by melting certain areas of the surface layer of the object with high energy and simultaneous supply of additive (28) comprising wear resistance increasing material.

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