

Title (en)

HARDNESS AND ROUGHNESS OF A TOOTHED SECTION FROM A SURFACE-DENSIFIED SINTERED MATERIAL

Title (de)

HÄRTE UND RAUHIGKEIT VON VERZÄHNUNG AUS OBERFLÄCHENVERDICHTETEM SINTERMATERIAL

Title (fr)

ENGRENNEMENT APTE A LA SOLLICITATION

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Application

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Abstract (en)

[origin: CA2611677A1] The invention relates to a method for producing a toothed section from a densified sintered material and to such a toothed section. The inventive method is characterized by densifying, using iteratively acquired data, a predensified tooth blank at least in one area to its final shape, thereby improving the roughness in the area by at least 400 % as compared to the blank, and adjusting a surface hardness of at least 130 BHN.

IPC 8 full level

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