

Title (en)

METHOD FOR PRODUCING AN ULTRAPHOBIC SURFACE BASED ON TUNGSTEN CARBIDE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ULTRAPHOBEN OBERFLÄCHE AUF BASIS VON WOLFRAMCARBID

Title (fr)

PROCEDE POUR PRODUIRE DES SURFACES ULTRAPHOBES A BASE DE CARBURE DE TUNGSTENE

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Application

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Abstract (en)

[origin: DE19860135A1] The invention relates to a method for producing a surface having ultraphobic properties. According to the inventive method, an essentially smooth surface comprised of tungsten carbide is structured by means of laser ablation, whereby recesses are formed which, in particular, periodically recur along the surface and which have a depth ranging from 10 μm to 500 μm . The surface is optionally coated with a bonding agent layer and is subsequently provided with a hydrophobic or oleophobic coating.

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