

Title (en)
METHOD FOR PRODUCING MULTIFUNCTIONAL PROTECTIVE FILM

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER MULTIFUNKTIONALEN SCHUTZFOLIE

Title (fr)
PROCÉDÉ DE PRODUCTION DE FILM DE PROTECTION MULTIFONCTIONNEL

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Application
EP 13869633 A 20131114

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• EA 2013000015 W 20131114

Abstract (en)
[origin: EP2940087A1] The present invention relates to technological methods for coating surfaces of a solid material (a solid body) and producing a multifunctional protective nanosized film, in particular for modifying surfaces with the purpose of improving the properties thereof, and can be used in instrument engineering, electronics, mechanical engineering, a fuel and energy complex, housing and utilities, and other industries, for example, in microelectronics, when producing parts with pre-determined properties, and for AI systems. The method for producing a protective film on at least part of the surface of a solid body comprises a pre-treatment of the surface, the application of a composition formulation based on a fluorine-containing surfactant to the solid body surface which has been heated further following the pre-treatment and which has a roughness Ra from 0.001 μm to 2.5 μm , and curing the substance. The technical result that can be achieved by using the invention is an increase in the technological effectiveness of protective film production while extending the application scope.

IPC 8 full level
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Citation (search report)
• [X] US 2012088099 A1 20120412 - TOSATTI SAMUELE [CH], et al
• [XI] DE 19848614 A1 19991021 - UNITED TECHNOLOGY RESEARCH & E [BS]
• See references of WO 2014101923A1

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