

Title (en)
COATING AND MATERIAL METHOD

Title (de)
BESCHICHTUNGS- UND MATERIALVERFAHREN

Title (fr)
PROCÉDÉ DE REVÊTEMENT ET DE PRODUCTION DE MATÉRIAU

Publication
EP 2852968 A4 20160224 (EN)

Application
EP 13794641 A 20130522

Priority
• FI 20120169 A 20120522
• FI 2013000025 W 20130522

Abstract (en)
[origin: WO2013175052A1] The innovation is targeted at the coating and material production method, which is based on the application of picosecond, femtosecond and attosecond pulses a) in a vacuum, b) in a gas-pressurised mode, c) in liquid state or d) in the clean room standard; the repetition frequency of the pulses is between the span of 100 kHz and 10 Ghz, with fibre reinforcement or semiconductor laser, which operate on the wavelength of the UV-visible-IR light. The laser beams are directed to a separate space a-d) with optic fibres or as a collimated beam and only inside this space is focused to the volatilizing / processing material by self-cleansing optics.

IPC 8 full level
H01L 21/02 (2006.01); **B23K 26/12** (2006.01); **C23C 14/28** (2006.01); **G02B 27/00** (2006.01)

CPC (source: EP FI)
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Citation (search report)
• [A] FR 1465435 A 19670113
• See references of WO 2013175052A1

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