

Title (en)

METHOD FOR THE APPLICATION OF AN ANTIVIRAL COATING TO A SUBSTRATE AND RELATIVE COATING

Title (de)

VERFAHREN ZUM AUFBRINGEN EINER ANTIVIRALEN BESCHICHTUNG AUF EIN SUBSTRAT UND ENTSPRECHENDE BESCHICHTUNG

Title (fr)

PROCÉDÉ D'APPLICATION D'UN REVÊTEMENT ANTIVIRAL SUR UN SUBSTRAT ET REVÊTEMENT CORRESPONDANT

Publication

**EP 3701062 A1 20200902 (EN)**

Application

**EP 18786877 A 20181002**

Priority

- IT 201700121151 A 20171025
- IB 2018057639 W 20181002

Abstract (en)

[origin: WO2019082001A1] A method for the application of an antiviral coating to a substrate and an antiviral coating thereof, the method comprising: co-sputtering on said substrate at least a first glass, ceramic, or glass-ceramic material, or matrix, and at least a plurality of nanoclusters of a second metallic material, said co-sputtering comprising: a simultaneous bombardment on the first and on the second target, with a first ion beam incident on said first target with a power ranging between 90 and 110 Watts and a second ion beam incident on said second target with a power ranging between 0.5 and 1.5 Watts, said second ion beam being switched on and off according to a periodic sequence with a duty cycle ranging between 97% and 98%; or a simultaneous bombardment on the first and on the second target, with a first ion beam incident on said first target with a power ranging between 190 and 210 Watts, and a second ion beam incident on said second target with a power ranging between 0.5 and 1.5 Watts, said second ion beam being switched on and off according to a periodic sequence with a duty cycle ranging between 25% and 35%.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2019082001A1

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