

Title (en)

PROCESS FOR COATING AN ARTICLE AND COATING PRODUCED THEREBY

Title (de)

VERFAHREN ZUM BESCHICHTEN EINES GEGENSTANDES UND DAMIT HERGESTELLTE BESCHICHTUNG

Title (fr)

PROCÉDÉ DE REVÊTEMENT D'UN OBJET ET REVÊTEMENT PRODUIT PAR LEDIT PROCÉDÉ

Publication

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Application

EP 15798310 A 20151103

Priority

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Abstract (en)

[origin: WO2016112417A1] The invention relates to a process for coating an article (1), wherein a coating (2) having one or more coating layers (3, 4, 5) is applied to the article (1), wherein at least one coating layer (5) is formed essentially from aluminium, titanium and nitrogen, wherein the coating layer (5) has, at least in some regions, adjoining lamellae of different chemical composition and is deposited from a gas phase comprising at least one aluminium precursor and at least one titanium precursor. According to the invention, by setting a molar ratio of aluminium to titanium, the lamellae of different chemical composition are each formed with a cubic structure, it being possible for aluminium and titanium to be partly replaced by other metals and for nitrogen to be partly replaced by oxygen and/or carbon with retention of the cubic structure. The invention further relates to a correspondingly produced coating (2).

IPC 8 full level

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