

Title (en)
COATED ARTICLE COMPRISING PROTECTIVE OVERCOAT LAYERS MADE FROM TITANIUM ZIRCONIUM HAFNIUM NITRIDE AND CARBON

Title (de)
BESCHICHTETER GEGENSTAND MIT SCHUTZSCHICHTEN AUS TITAN-ZIRKONIUM-HAFNIUMNITRID UND KOHLENSTOFF

Title (fr)
ARTICLE REVÊTU COMPRENANT DES COUCHES DE FINITION PROTECTRICES COMPOSÉES DE NITRURE DE TITANE, DE ZIRCONIUM ET D'HAFNIUM ET DE CARBONE

Publication
EP 4100191 A4 20240110 (EN)

Application
EP 21751338 A 20210203

Priority
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Abstract (en)
[origin: WO2021156889A1] A coated solar control article including a stack of layers acting on solar radiation provided on the surface of the glass substrate comprising at least one functional layer and one or more protective overcoat layers deposited over at least a part of the functional layer is disclosed. The protective overcoat layers comprise TiZrHf or TiZrHfN with or without carbon and contribute to scratch resistivity of the coated article especially before heat treatment for up to 5N in Erichsen Scratch testing. The functional layers are free of silver and silver containing metal alloys. The coated solar control article exhibits enhanced durability in terms of scratch resistivity while retaining the original optical characteristics of the coated solar control article.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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• [Y] FR 2869606 A1 20051104 - SAINT GOBAIN [FR]
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• See references of WO 2021156889A1

Designated contracting state (EPC)
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