

Title (en)
VEHICLE WINDOW WITH AN IR-REFLECTIVE COATING WITH A DISCONTINUOUS METALLIC LAYER OF METAL NANOCRYSTALS

Title (de)
FAHRZEUGSCHEIBE MIT EINER IR-REFLEKTIERENDEN BESCHICHTUNG MIT EINER DISKONTINUIERLICHEN METALLISCHEN SCHICHT
AUS METALL-NANOKRISTALLEN

Title (fr)
VITRE DE VÉHICULE AVEC REVÊTEMENT RÉFLÉCHISSANT L'IR AVEC UNE COUCHE MÉTALLIQUE DISCONTINUE DE NANOCRISTAUX
MÉTALLIQUES

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Application
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Abstract (en)
[origin: WO202223179A1] The present invention relates to a vehicle window comprising at least one transparent glass pane (1) and an IR-reflective coating (20) on a surface (II) of the glass pane (1), wherein the IR-reflective coating (20) comprises n metallic layers (21; 21. 1, 21.2) and (n+1) dielectric layer modules (M1, M2, M3), wherein the layer modules (M1, M2, M3) are formed as dielectric layers (22) or layer sequences (23, 24, 25) and wherein the layer modules (M1, M2, M3) and the metallic layers (21; 21. 1, 21.2) are arranged alternately such that each metallic layer (21; 21.1, 21.2) is arranged between two layer modules (M1, M2, M3), where n is a natural number greater than or equal to 1, wherein each metallic layer (21; 21.1, 21.2) is formed as a discontinuous layer of metal nanocrystals (4) which has regions which are filled with metal nanocrystals (4) and regions which are not filled with nanocrystals (4). The uppermost layer module (M2; M3) has a dielectric anti-reflection layer (24) with a refractive index of at most 1.7.

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