

Title (en)

MATERIAL COMPRISING A STACK WITH A THIN ZINC-BASED OXIDE DIELECTRIC SUBLAYER AND METHOD FOR DEPOSITING SAID MATERIAL

Title (de)

MATERIAL MIT EINEM STAPEL MIT EINER DÜNNEN DIELEKTRISCHEN SCHICHT AUS ZINKBASIERTEM OXID UND VERFAHREN ZUR ABSCHIEDUNG DIESER MATERIALS

Title (fr)

MATERIAU COMPORTANT UN EMPILEMENT A SOUS-COUCHE DIELECTRIQUE FINE D'OXIDE A BASE DE ZINC ET PROCEDE DE DEPOT DE CE MATERIAU

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Application

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Abstract (en)

[origin: WO2021260295A1] The invention relates to a material comprising a substrate (30) coated on one face (29) with a stack of thin layers (14) comprising at least one metal functional layer (140) and comprising: - an underlayer of zinc-based oxide, ZnO (129), between 0.3 and 4.4 nm thick; - a dielectric underlayer of silicon-based nitride, Si₃N₄ (127), between 10.0 and 50.0 nm thick; - an overlayer of zinc-based oxide, ZnO (161), between 2.0 and 10.0 nm thick; - a dielectric overlayer (165); - a capping layer of titanium-based oxide, TiO_x (150), located on and in contact with said functional layer (140).

IPC 8 full level

C03C 17/36 (2006.01)

CPC (source: EP)

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Citation (search report)

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