

Title (en)

BARRIER LAYER SYSTEM AND METHOD FOR PRODUCING A BARRIER LAYER SYSTEM

Title (de)

BARRIERESCHICHTSYSTEM UND VERFAHREN ZUM HERSTELLEN EINES BARRIERESCHICHTSYSTEMS

Title (fr)

SYSTÈME DE COUCHES BARRIÈRES ET PROCÉDÉ DE FABRICATION D'UN SYSTÈME DE COUCHES BARRIÈRES

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Application

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Abstract (en)

[origin: WO2021191398A1] The invention relates to a barrier layer system having barrier properties with respect to oxygen and water vapour and to a method for producing a layer system which has barrier properties with respect to oxygen and water vapour, said method having the following method steps: a) forming an alternating layer system consisting of at least two aluminium oxide layers (12; 22; 32) and at least two titanium oxide layers (13; 23; 33), in which the aluminium oxide layers (12; 22; 32) and the titanium oxide layers (13; 23; 33) are deposited one on top of the other in alternation; b) wherein the aluminium oxide layers (12; 22, 32) and the titanium oxide layers (13; 23; 33) are deposited by means of ALD and in each case with a layer thickness of 5 nm to 20 nm; c) depositing a first parylene layer (14; 24; 34a) with a layer thickness of 0.1 µm to 50 µm on a first side of the alternating layer system by means of CVD.

IPC 8 full level

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