

Title (en)

PROCESS FOR PREPARING METAL OXIDE CONTAINING LAYERS

Title (de)

VERFAHREN ZUR HERSTELLUNG METALLOXID-HALTIGER SCHICHTEN

Title (fr)

PROCÉDÉ DE PRÉPARATION DES COUCHES CONTENANT DE L'OXYDE MÉTALLIQUE

Publication

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Application

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Abstract (en)

[origin: WO2011020792A1] The invention relates to a liquid-phase method for producing metal oxide-containing layers from nonaqueous solution. In said method, an anhydrous composition containing i) at least one metal oxo-alkoxide of generic formula $M_xO_y(OR)_z[O(R'O)cH]_aX_b[R''OH]_d$, where $M = \text{In, Ga, Sn, and/or Zn}$, $x = 3 - 25$, $y = 1 - 10$, $z = 3 - 50$, $a = 0 - 25$, $b = 0 - 20$, $c = 0 - 1$, $d = 0 - 25$, $R, R', R'' = \text{organic group}$, $X = \text{F, Cl, Br, I}$, and ii) at least one solvent is applied to a substrate, is optionally dried, and is converted into a metal oxide-containing layer. The invention also relates to the layers that can be produced using the method of the invention and to the use thereof.

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