

Title (en)

PROCESS FOR PREPARING INDIUM OXIDE CONTAINING LAYERS

Title (de)

VERFAHREN ZUR HERSTELLUNG INDIUMOXID-HALTIGER SCHICHTEN

Title (fr)

PROCÉDÉ DE PRÉPARATION DE COUCHES COMPRENANT DE L'OXYDE D'INDIUM

Publication

**EP 2467514 A1 20120627 (DE)**

Application

**EP 10747843 A 20100813**

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Abstract (en)

[origin: WO2011020781A1] The invention relates to a liquid-phase method for producing layers containing indium oxide from nonaqueous solution. In said method, an anhydrous composition containing at least one indium oxo-alkoxide of generic formula  $MxOy(OR)z[O(R'O)cH]aXb[R''OH]d$ , where  $x = 3 - 25$ ,  $y = 1 - 10$ ,  $z = 3 - 50$ ,  $a = 0 - 25$ ,  $b = 0 - 20$ ,  $c = 0 - 1$ ,  $d = 0 - 25$ ,  $M = \text{In, R, R', R''} = \text{organic group}$ ,  $X = \text{F, Cl, Br, I}$ , and at least one solvent is applied to a substrate, is optionally dried, and is converted into a layer containing indium oxide. The invention also relates to the layers that can be produced using the method of the invention and to the use thereof.

IPC 8 full level

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