

Title (en)
THIN FILM DEPOSITION METHOD

Title (de)
DÜNNSCHICHTABLAGERUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE DÉPÔT DE COUCHE MINCE

Publication
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Application
EP 10715315 A 20100310

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Abstract (en)
[origin: WO2010103237A1] The invention relates to a method for flame heat treating at least one thin film deposited onto a glass substrate (1) moving in line with a flame treatment device that includes at least one burner (2), said treatment being suitable for increasing the crystallization rate of said at least one thin film and/or increasing the size of the crystallites in said at least one thin film, said method being characterized in that the maximum transient bending "b" is less than 150 mm and adheres to the following condition: $b = 0.9 \times d$ where the bending "b" corresponds to the distance, expressed in mm, between the unheated substrate plane (P1) and the substrate point closest to the plane (P2) passing through the nozzle (6) of the burner (2) and parallel to the unheated substrate plane (P1), and "d" corresponds to the distance, expressed in mm, between the unheated substrate plane (P1) and the nozzle (6) of the burner (2), the substrate width "L" in a direction perpendicular to the moving direction (5) being greater than or equal to 1.1 meters.

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