

Title (en)  
PRE-CURVED PANELS FOR COVERING SURFACES OF WALLS AND CEILINGS

Title (de)  
VORGEWÖLBTE DECKEN- UND WANDSPANNFLÄCHENPANELEE

Title (fr)  
PANNEAUX PRECOURBES ET DESTINES AUX SURFACES DE RECOUVREMENT DE PLAFONDS ET DE MURS

Publication  
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Application  
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Abstract (en)  
[origin: WO9950512A1] The invention relates to stretched covering surfaces for walls and ceilings, consisting of a gridlike system of panels made of sheet-covered frames or stentering frames. Before the preferably rectangular frames are covered, they have side struts in the covering plane that curve in a slightly opposite direction to the direction of the covering. The amount of flexion increases from the corners outwards and is at its greatest in the middle between two corners. The amount of flexion is proportional to the height of the elastic pre-stress of the sheeting. In one specific embodiment, differences in the tensile strength of the sheeting in both a longitudinal and transversal direction are taken into account by the amount of flexion displayed by the side struts.

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