

Title (en)  
PRODUCTION INSTALLATION AND METHOD FOR PRINTING SURFACES OF MATERIAL PANELS WITH A MULTI-COLOUR IMAGE

Title (de)  
FERTIGUNGSANLAGE UND VERFAHREN ZUM BEDRUCKEN VON OBERFLÄCHEN VON WERKSTOFFPLATTEN MIT EINER MEHRFARBIGEN ABBILDUNG

Title (fr)  
INSTALLATION DE PRODUCTION ET PROCÉDÉ POUR IMPRIMER UNE IMAGE POLYCHROME SUR DES SURFACES DE PANNEAUX DE MATÉRIAU, NOTAMMENT DES PANNEAUX DE BOIS

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Application  
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Abstract (en)  
[origin: CA2823427A1] The invention relates to a printing device (100) for printing surfaces of material panels (30), especially wood panels (10), with a multi-colour image, comprising: means for holding a material panel (30) in an oriented position; a printing unit (110) for printing a surface of the material panel (30), the printing unit (110) comprising a plurality of adjacently arranged printing heads (12, 112), respectively for a plurality of colours, according to the width of the surface to be printed; means for moving the printing unit (110) along an area of displacement over the surface of the material panel (30) held in place; and means for preventing air turbulences in the area of displacement of the printing unit (110). The invention also relates to a method for printing surfaces of material panels, especially wood plates, with a multi-colour image, comprising: the orientation of the material panel (30) such that the surface thereof is in a defined position and at a defined height; holding the material panel (30) in place; moving a printing unit (110) along a path of displacement over the surface of the material panel (30) held in place; and printing the surface of the material panel held in place, by means of the printing unit, the printing unit (110) comprising a plurality of adjacently arranged printing heads (12, 112), respectively for a plurality of colours, according to the width of the surface to be printed. Air turbulences in the path of displacement of the printing unit (110), along the edges of the material panel (30), are prevented by the passage of air guiding devices (130, 132).

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