

Title (en)

PROCESS FOR PRODUCING COMPRESSED WOOD PIECES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON GEPRESSTEM HOLZ

Title (fr)

PROCEDE DE PRODUCTION DE PIECES EN BOIS COMPRIMEES

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Application

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Abstract (en)

[origin: WO0100377A1] The invention relates to a method of manufacturing compressed wooden pieces. According to the method, the wooden piece is compressed into a desired shape and is conducted to heat treatment at an increased temperature, in order to set the change in shape caused by compressing. According to the invention, the wooden piece is compressed at an increased temperature, the wooden piece being kept in compression until its moisture content has decreased to less than 15%, and after compressing the wooden piece is heated at normal atmospheric pressure in the presence of steam at a temperature of more than 180 DEG C, until a weight loss of at least about 3% has taken place in the product. By means of the invention, the dimensional stability of compressed wood can be improved. Compressed wooden pieces manufactured according to the invention swell very little when soaked in water and, after drying, the wooden pieces return to their original thickness, whereas traditionally manufactured compressed wooden pieces suffer from permanent thickness swelling.

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