

Title (en)

METHOD AND DEVICE FOR DRYING SAWN TIMBER AT REDUCED PRESSURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM TROCKNEN VON SCHNITTHOLZ BEI UNTERDRUCK

Title (fr)

PROCEDE ET DISPOSITIF POUR LE SECHAGE DE BOIS DEBITE AVEC UNE PRESSION REDUITE

Publication

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Application

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Abstract (en)

[origin: US5979074A] PCT No. PCT/DE96/01066 Sec. 371 Date Apr. 6, 1998 Sec. 102(e) Date Apr. 6, 1998 PCT Filed Jun. 10, 1996 PCT Pub. No. WO97/00412 PCT Pub. Date Jan. 3, 1997 This invention relates to a process and an apparatus to dry cut timber or other hygroscopical plate-shaped or bar-shaped goods in subatmospheric pressure in a vacuum-solid drying chamber, which is equipped with ventilators (fans) effecting crosswise to the length axis of the chamber to revolve a gaseous drying medium, with one or several heating coils extending over the length of the chamber, and with a dehumidifying device (condenser). It is task of the invention to regulate the heat energy supply for individual stack areas and thus the removal of humidity contained in the wood, independent of other stack areas of the same charge in the drying chamber. Thereby, existing or arising dispersions of the wood moisture in different stack areas due to inhomogeneous conditions inside and outside the drying chamber, ought to be eliminated during the drying stage before entering the final equalizing and conditioning stage.

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