

Title (en)  
METHOD OF RENDERING WOODEN MATERIAL FLAME-RETARDANT AND PROCESS FOR PRODUCING FLAME-RETARDED PLYWOOD THEREWITH

Title (de)  
METHODE UM HOLZWERKSTOFFE FLAMMHEMMEND ZU MACHEN UND VERFAHREN ZUR HERSTELLUNG VON FLAMMHEMMENDEN SPERRHOLZ DAMIT

Title (fr)  
PROCEDE POUR IGNIFUGER UN MATERIAU A BASE DE BOIS ET PROCEDE POUR PRODUIRE UN CONTREPLAQUE IGNIFUGE

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Abstract (en)  
This invention relates to the method for flame-retarding treating of wooden materials meeting the requirements of public authorities. Flame-retarding materials are mixed with an aqueous solution, which includes ether and alcohol, such that the solution including the flame-retarding material of about 30 to 50% is prepared. Then, the solution is sprayed directly onto the wooden materials set under the normal temperature and pressure while the temperature of the mixed solution is kept over 60 DEG C. The spraying is stopped when the weight of the wooden materials increases by at least about 20 to 30% of its original weight under dry condition. Finally, the wooden materials are dried under proper condition. Thus, flame-retarding treating of wooden material is performed. And this invention also includes the manufacturing method for flame-retarding plywood using the above-mentioned method for flame-retarding treating of wooden materials. And these methods are very simple and economical. <IMAGE>

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