

Title (en)  
PERMANENT DECREASE OF WOOD HARDNESS

Title (de)  
BLEIBENDE HERABSETZUNG VON HOLZHÄRTE

Title (fr)  
DIMINUTION PERMANENTE DE LA DURETE DU BOIS

Publication  
**EP 1282492 A1 20030212 (EN)**

Application  
**EP 00929171 A 20000515**

Priority  
CA 0000563 W 20000515

Abstract (en)  
[origin: WO0187560A1] A wood article is submitted to a vacuum in an autoclave to remove air that it contains. Then, a solution which contains a water-soluble cross-linkable prepolymer, a polymerization initiator and optionally a wood preservative is introduced into the autoclave. Polymerization to form a polymeric network in the wood article is carried out in an atmosphere which may be substantially free of oxygen, while the optionally present preservative is chemically fixed to the wood. The result is a wood article with a permanently reduced hardness and an increased moisture content at equilibrium.

IPC 1-7  
**B27K 5/00**; **B27K 5/06**; **B27K 3/15**

IPC 8 full level  
**B27K 3/15** (2006.01); **B27K 5/00** (2006.01); **B27K 5/06** (2006.01)

CPC (source: EP)  
**B27K 3/15** (2013.01); **B27K 3/22** (2013.01); **B27K 3/26** (2013.01); **B27K 3/28** (2013.01); **B27K 5/06** (2013.01); **C08L 97/02** (2013.01); **C08L 33/14** (2013.01); **C08L 71/02** (2013.01)

Citation (search report)  
See references of WO 0187560A1

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**WO 0187560 A1 20011122**; AU 4738200 A 20011126; CA 2407892 A1 20011122; CA 2407892 C 20120103; EP 1282492 A1 20030212

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