

Title (en)  
FIBER BOARD COMPOSITION.

Title (de)  
ZUSAMMENSETZUNG EINER FASERPLATTE.

Title (fr)  
COMPOSITION D'UN AGGLOMERE EN FIBRES.

Publication  
**EP 0197923 A4 19880620 (EN)**

Application  
**EP 84903857 A 19841011**

Priority  
US 8401639 W 19841011

Abstract (en)  
[origin: WO8602292A1] A fiber board composition and a fiber board composite formed therefrom is capable of consolidation into a variety of structural building products ranging from flat sheets and panels which may interlock for modular housing to 2 x 4's through 2 x 12's, etc. The fiber board composition comprises lignocellulosic particles, such as softwood or hardwood waste particles, which have been pressure treated to resist insects and rot with a chemical compound, such as chromated copper arsenate, a vegetable matter derivative for increased strength, such as hominy feed; a fire retardant chemical, such as alumina tri-hydrate; and a water retardant chemical, such as casco wax, which are then consolidated into the formed fiber board structure by means of about 4 to about 10% by weight of a phenolic-type resin, pressures of about 400 to about 600 psi, heat of about 320 to about 360°F and ultrasonic sound with a frequency of about 3.6 to 3.7 mega hertz.

IPC 1-7  
**B06B 3/00**

IPC 8 full level  
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CPC (source: EP)  
**B27N 3/00** (2013.01); **B29C 35/0261** (2013.01); **C08L 97/02** (2013.01); **E04C 2/16** (2013.01); **B29K 2503/00** (2013.01)

Citation (search report)  
• [Y] FR 2092176 A5 19710121 - MILLER HOFFT INC  
• [Y] US 4247329 A 19810127 - MILLS GEORGE B  
• [Y] EP 0092298 A1 19831026 - GREER MARIAN B  
• [A] US 3927235 A 19751216 - CHOW POO  
• [A] INTERNATIONAL POLYMER SCIENCE AND TECHNOLOGY, vol. 3, no. 6, 1976, pages T/6-T/8; T. NOWARA et al.: "Application of ultrasonic methods for testing the degree of hardening of phenolic thermosets", & POLIMERY, TWORZYWA WIELKOCZASTECZKOWE, 20, no. 9, September 1975, page 443  
• See references of WO 8602292A1

Designated contracting state (EPC)  
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