

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.

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B06B 3/00

IPC 8 full level
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Citation (search report)
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• [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

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