

Title (en)

ARTICLES, SUCH AS PALLETS, MOLDED FROM WOOD FLAKES AND A METHOD OF MOLDING SUCH ARTICLES

Publication

EP 0049299 B1 19850206 (EN)

Application

EP 80105985 A 19801003

Priority

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Abstract (en)

[origin: EP0049299A1] An article having non-planar portions, such as a pallet (10) having a substantially flat deck member (12) and a plurality of hollow leg members (16) projecting integrally from the deck member, is molded as a one-piece unit from a loosely-felted, layered mat formed from a mixture of a resinous particle board binder and flake-like wood particles. The wood flakes have an average length of about 1-1/4 to about 6 inches, preferably about 2 to about 3 inches, an average thickness of about 0.005 to about 0.075 inch, preferably about 0.015 to about 0.025 inch, and an average width of 3 inches or less and no greater than the average length. Each layer of wood flakes in the mat lies substantially flat on a plane generally parallel to the major plane thereof and are randomly oriented to each other. The mat is placed between the male (34) and female (36) dies of a mold or press and compressed therein to substantially the desired shape under temperature and pressure conditions sufficient to bond the flakes together.

IPC 1-7

B29C 67/12; **B65D 19/24**

IPC 8 full level

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CPC (source: EP)

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Cited by

US7255765B2; US6511567B1; US6773791B1; GB2339760A; ES2137069A1; ES2129301A1; EP0688639A3; US6364982B1; US6541097B2; WO2007073729A1

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