

Title (en)

METHOD AND APPARATUS FOR MAKING CHIPBOARD

Publication

**EP 0172930 B1 19881026 (DE)**

Application

**EP 84110158 A 19840825**

Priority

- EP 84110158 A 19840825
- US 57678684 A 19840203
- US 59959984 A 19840413

Abstract (en)

[origin: US4517147A] An improved hot gas pressing system for use in manufacturing wood-based composite panels reduces in-press time substantially while reducing blistering, pitting, and warping in the final panel. Condensable steam as the preferred gas is injected into both faces of the mat after the press closes to an intermediate position compressing the mat to an intermediate density. After the steam is applied for a predetermined time period at the intermediate density quickly raising the mat temperature, a steam through step is applied after which the press is closed to its final position. Steam is reapplied to both surfaces of the densified mat to maintain temperature further reducing cure time of the adhesive after which venting and vacuum steps are applied to both surfaces of the mat to reduce internal pressure and remove moisture from the mat prior to opening of the press.

IPC 1-7

**B27N 3/00; B27N 3/20**

IPC 8 full level

**B27N 3/08** (2006.01)

CPC (source: EP US)

**B27N 3/086** (2013.01 - EP US)

Cited by

DE4118058C1; US6129871A; US7220375B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 4517147 A 19850514**; EP 0172930 A1 19860305; EP 0172930 B1 19881026

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**US 59959984 A 19840413**; EP 84110158 A 19840825