

Title (en)

Cushioning conversion machine with combination dancer roller and splicing plate device

Title (de)

Polsterumwandlungsmaschine mit einem Tänzerroller- und Verbindungsblech-Kombinationsgerät

Title (fr)

Dispositif pour la fabrication de matériaux de rembourrage avec un dispositif à combinant un rouleau baladeur et une tôle à joindre

Publication

**EP 1066955 A3 20010801 (EN)**

Application

**EP 00305137 A 20000616**

Priority

US 13970299 P 19990617

Abstract (en)

[origin: EP1066955A2] A cushioning conversion machine and a method of converting multi-ply stock material are characterized by a conversion assembly which converts multi-ply stock material into a three-dimensional cushioning product and a dancer device (67) operative for helping maintain a greater uniformity of tension on the stock material being fed through the conversion assembly. A portion of the dancer device may form a splicing plate for providing a surface on which a succeeding roll of stock material may be spliced to a preceding nearly fully spent roll of stock material. The dancer device may be rotatably biased about a pivot axis that is coaxial with an axis passing through the center of gravity of the dancer device. The dancer device may include first and second substantially parallel and spaced apart dancer members transverse to the path of stock material and over which the stock material passes, wherein the members are pivotable about a pivot axis in response to changes in tension of the stock material. <IMAGE>

IPC 1-7

**B31D 5/00**

IPC 8 full level

**B31D 5/00** (2006.01)

CPC (source: EP)

**B31D 5/0047** (2013.01); **B31D 2205/0023** (2013.01); **B31D 2205/0047** (2013.01)

Citation (search report)

- [A] WO 9640496 A1 19961219 - RANPAK CORP [US]
- [A] WO 9904963 A1 19990204 - RANPAK CORP [US]

Cited by

EP1645406A1; CN103697866A; US7722519B2; US8167783B2; WO2009029522A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1066955 A2 20010110; EP 1066955 A3 20010801**

DOCDB simple family (application)

**EP 00305137 A 20000616**