

Title (en)
CUSHIONING CONVERSION MACHINE HAVING HEAVY DUTY CHARACTERISTICS

Title (de)
HOCHLEISTUNGSMASCHINE ZUM HERSTELLEN VON POLSTERELEMENTEN

Title (fr)
MACHINE DE CONVERSION PRODUISANT UN MATERIAU DE CALAGE ET POSSEDANT DES CARACTERISTIQUES INDUSTRIELLES

Publication
EP 1214188 A2 20020619 (EN)

Application
EP 00961511 A 20000901

Priority
• US 0024193 W 20000901
• US 15229999 P 19990903

Abstract (en)
[origin: WO0117763A2] A cushioning conversion machine for converting multi-ply stock material is characterized by a conversion assembly which comprises one or more assemblies and/or devices for converting multi-ply stock material into a three-dimensional cushioning product and a stock supply assembly for providing stock material to the conversion assembly. The stock supply assembly includes a stock roll holder assembly having one or more rotatable roll support members that extend transverse to the path of the stock material and engage an outer periphery of a stock roll for advancing the stock material therefrom. A connecting assembly includes a carrier pivotally mounted to a frame for urging a first rotating feed member toward and away from a second rotating feed member. A severing assembly includes a movable blade having a first end pivotally coupled to a motion crank for providing circular motion of the first end, and a second end including a sliding mechanism for providing slidable movement of the second end, the blade being movable between an open position and a closed position. A shutter device includes a pair of eccentric rollers disposed substantially parallel to one another thereby forming a gap between the rollers that, upon rotation of the eccentric rollers, varies between an open position for permitting passage therethrough of the dunnage material in one direction and a closed position that inhibits foreign objects from entering the severing zone of the machine in the other direction.

IPC 1-7
B31D 5/00

IPC 8 full level
B31D 5/00 (2006.01); **B31F 5/00** (2006.01)

CPC (source: EP KR)
B31D 5/0047 (2013.01 - EP KR); **B31D 2205/0023** (2013.01 - EP KR); **B31D 2205/0047** (2013.01 - EP KR)

Citation (search report)
See references of WO 0117763A2

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)
WO 0117763 A2 20010315; WO 0117763 A3 20011004; AU 7345300 A 20010410; CA 2386650 A1 20010315; EP 1214188 A2 20020619; JP 2003508269 A 20030304; KR 20020059388 A 20020712; MX PA02002291 A 20020820

DOCDB simple family (application)
US 0024193 W 20000901; AU 7345300 A 20000901; CA 2386650 A 20000901; EP 00961511 A 20000901; JP 2001521535 A 20000901; KR 20027002885 A 20020304; MX PA02002291 A 20000901