

Title (en)  
PACKAGING MACHINE

Title (de)  
VERPACKUNGSMASCHINE

Title (fr)  
MACHINE A EMBALLER

Publication  
**EP 1047600 B1 20040915 (EN)**

Application  
**EP 98931187 A 19980630**

Priority  
• SE 9801285 W 19980630  
• SE 9702530 A 19970701

Abstract (en)  
[origin: WO9901346A1] The invention relates to a packaging machine comprising a horizontal conveyor and stations along this for processing packaging blanks, preferably case blanks, up to ready cases filled with product. The conveyor is constructed around pivotal gear bearings (roller path bearings) or the like, whereby one of the bearing races defines a circular conveyor path, and holders or carrier fingers for the case blanks are arranged on the driven race in the bearing arrangement. The arrangement allows a packaging machine structure where the essential elements are constituted by standard components, and by placing a plurality of bearing rings vertically above one another in the machine frame, possibilities for a flexible camshaft arrangement and format adjustment in the height direction are offered, as well as an open and easily accessible structure being obtained for maintenance and repair. In an alternative embodiment, the camshaft arrangement can comprise a camshaft placed in the centre of the pivotal ring bearing.

IPC 1-7  
**B65B 65/02**; **B65B 65/00**

IPC 8 full level  
**B65B 43/50** (2006.01); **B65B 59/00** (2006.01); **B65B 65/02** (2006.01); **B65B 65/00** (2006.01)

CPC (source: EP US)  
**B65B 43/50** (2013.01 - EP US); **B65B 59/003** (2019.05 - EP US); **B65B 59/005** (2013.01 - EP US)

Citation (examination)  
• DE 1586155 A1 19700625 - KOPP WILLI  
• US 2206157 A 19400702 - BROWN GROVER C  
• US 1555360 A 19250929 - STANISLAS DEROME FERNAND  
• DE 2711549 A1 19780921 - POHLIG HECKEL BLEICHERT

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 9901346 A1 19990114**; AT E276142 T1 20041015; AU 8136998 A 19990125; CZ 297636 B6 20070221; CZ 9904562 A3 20001213; DE 69826321 D1 20041021; DE 69826321 T2 20051103; DK 1047600 T3 20050131; EP 1047600 A1 20001102; EP 1047600 B1 20040915; ES 2227851 T3 20050401; HU 227146 B1 20100830; HU P0003091 A2 20010129; HU P0003091 A3 20040428; NO 315363 B1 20030825; NO 996570 D0 19991230; NO 996570 L 20000225; PL 190815 B1 20060228; PL 337733 A1 20000828; RU 2203203 C2 20030427; SE 509815 C2 19990308; SE 9702530 D0 19970701; SE 9702530 L 19990102

DOCDB simple family (application)  
**SE 9801285 W 19980630**; AT 98931187 T 19980630; AU 8136998 A 19980630; CZ 456299 A 19980630; DE 69826321 T 19980630; DK 98931187 T 19980630; EP 98931187 A 19980630; ES 98931187 T 19980630; HU P0003091 A 19980630; NO 996570 A 19991230; PL 33773398 A 19980630; RU 2000102343 A 19980630; SE 9702530 A 19970701