

Title (en)
ENERGY FREE LOADER

Publication
EP 0111542 B1 19880420 (EN)

Application
EP 83902188 A 19830602

Priority
• US 38495682 A 19820604
• US 38889582 A 19820616

Abstract (en)
[origin: WO8304236A1] A case loader which automatically puts articles such as bottles into the case. The bottles leave the conveyor and slide across a tiltable support station (22). When a case load of bottles is on the support station a first sensor (40) is activated. When the case is in the loading position a second sensor (50) is activated. When both sensors are activated, the bottles fall down individual chutes (31, 32) into the case.

IPC 1-7
B65B 5/10; B65B 21/10; B65B 43/62

IPC 8 full level
B65B 5/08 (2006.01)

CPC (source: EP)
B65B 5/08 (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)
WO 8304236 A1 19831208; CA 1197823 A 19851210; DE 3376311 D1 19880526; EP 0111542 A1 19840627; EP 0111542 A4 19850827; EP 0111542 B1 19880420

DOCDB simple family (application)
US 8300849 W 19830602; CA 429500 A 19830602; DE 3376311 T 19830602; EP 83902188 A 19830602