

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)

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