

Title (en)  
DROP-LOADING PACKAGING MACHINE

Publication  
**EP 0161784 B1 19890111 (EN)**

Application  
**EP 85302441 A 19850404**

Priority  
GB 8408909 A 19840406

Abstract (en)  
[origin: EP0161784A1] A drop-loading packaging machine comprises a conveyor (12) for conveying a continuous line of cartons sequentially to a drop-loading position (D) and feed means (30, 32, 34, 36) for feeding a continuous line of containers (B) sequentially to the drop-loading position so that containers are synchronised with and positioned for drop-loading into the cartons. Metering star wheels (30, 32) are provided at an infeed end of the machine for transferring the containers to spacing star wheels (34, 36) at the drop-loading position. The metering and spacing wheels are driven in timed relationship with respect to the carton feed conveyor and the containers are transferred between metering wheels and the spacing wheels solely by transmission of force between successive containers.

IPC 1-7  
**B65B 21/16**; **B65B 21/06**

IPC 8 full level  
**B65B 21/06** (2006.01); **B65B 21/16** (2006.01)

CPC (source: EP)  
**B65B 21/06** (2013.01); **B65B 21/16** (2013.01)

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0161784 A1 19851121**; **EP 0161784 B1 19890111**; DE 3567424 D1 19890216; GB 8408909 D0 19840516

DOCDB simple family (application)  
**EP 85302441 A 19850404**; DE 3567424 T 19850404; GB 8408909 A 19840406