

Title (en)  
ASEPTIC PACKAGING METHOD AND APPARATUS

Publication  
**EP 0062929 A3 19830309 (EN)**

Application  
**EP 82103750 A 19791219**

Priority  
• AU 2390084 A 19840127  
• GB 7849113 A 19781219

Abstract (en)  
[origin: EP0062929A2] An aseptic packaging machine 1 includes a chain conveyor conveying cartons along a path P in an aseptic chamber 6 including an advance leg and a return leg each extending along the machine 1. Ultra-violet germicidal lamps 8 extend over at least a major portion of the advance leg. Aseptic liquid is fed into the cartons C by a filling device 9 comprised of, in turn, an expansion chamber, a non-return inlet valve, a reciprocatory bellows and a non-return outlet valve. After filling, the cartons are top-heated and sealed by a top-heating device 10 and a top-sealing device 11. The only non-aseptic matter deliberately introduced into the chamber 6 is the cartons C. The chamber 6 is cleaned internally by cleaning fluid from spray nozzles. The carton entry to and exit from the chamber 6 have aseptic air curtains.

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**B65B 55/04**

IPC 8 full level  
**B65B 3/12** (2006.01); **B65B 55/02** (2006.01)

CPC (source: EP)  
**B65B 3/12** (2013.01); **B65B 55/027** (2013.01)

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