

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)

Citation (search report)  
• [XE] WO 8001457 A1 19800724 - PEEL J [GB], et al  
• [X] CH 572415 A5 19760213 - ALUMINIUMWERKE AG RORSCHACH  
• [X] GB 1531139 A 19781101 - ALCAN RES & DEV  
• [AD] US 3566575 A 19710302 - LISIECKI ROBERT E  
• [X] CH 530307 A 19721115 - HOFFMANN AG GEB [CH]  
• [AD] DE 2214080 A1 19731004 - HAMBACH MASCHF  
• [XP] THE JOURNAL OF APPLIED BACTERIOLOGY, vol. 47, no. 2, October 1979, London, New York, San Francisco C.E. BAYLISS AND W.M. WAITES "The Combined Effect of Hydrogen Peroxide and Ultraviolet Irradiation on Bacterial Spores" pages 263-269  
• [X] CHEMICAL ABSTRACTS, vol. 70, 1969, Columbus, Ohio, USA C. DOUDNEY "Peroxide effects on survival and mutation induction in ultraviolet light-exposed and photoreactivated bacteria" page 1778, abstract no. 17 785c

Cited by  
CN112078862A; US5242701A; US5421512A; US11878840B2; WO2015044512A1; WO9009926A3; WO2020173787A1; EP0180540B1

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