

Title (en)  
INLINE PROCESSING AND IRRADIATION SYSTEM

Title (de)  
INLINE-VERARBEITUNGS- UND -BESTRAHLUNGSSYSTEM

Title (fr)  
SYSTEME DE TRAITEMENT EN LIGNE ET D'IRRADIATION

Publication  
**EP 1664739 A4 20070829 (EN)**

Application  
**EP 04781800 A 20040820**

Priority  
• US 2004027186 W 20040820  
• US 49644503 P 20030820

Abstract (en)  
[origin: WO2005019033A2] A stream of products is packaged and biologically treated by the system. The system has an index conveyor with a filling station and a packaging station. Discrete packages are filled with the stream of products, sealed and moved on an index conveyor. The system moves the discrete packages an irradiation chamber at a steady rate on a continuous speed conveyor. A controller matches the cyclical rate of the index conveyor with the steady rate of the continuous speed conveyor and uses a buffer to transition from the cyclical rate to the steady rate.

IPC 8 full level  
**G01N 21/00** (2006.01); **B65B 9/04** (2006.01); **B65B 31/00** (2006.01); **B65B 55/04** (2006.01); **B65B 55/16** (2006.01); **B65B 61/00** (2006.01)

IPC 8 main group level  
**B65B** (2006.01)

CPC (source: EP US)  
**B65B 9/045** (2013.01 - EP US); **B65B 55/16** (2013.01 - EP US)

Citation (search report)  
• [X] GB 2005980 A 19790502 - JOULIN G  
• See references of WO 2005019033A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2005019033 A2 20050303**; **WO 2005019033 A3 20050909**; CA 2536297 A1 20050303; EP 1664739 A2 20060607;  
EP 1664739 A4 20070829; US 2009173039 A1 20090709

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**US 2004027186 W 20040820**; CA 2536297 A 20040820; EP 04781800 A 20040820; US 56900304 A 20040820