

Title (en)
SYSTEM AND METHOD OF IN-LINE SHAPING, FILLING AND ENCLOSING TO FORM PRODUCT PACKAGING

Title (de)
SYSTEM UND VERFAHREN ZUM INLINE-FORMEN, FÜLLEN UND UMSCHLIESSEN ZUR HERSTELLUNG EINER PRODUKTVERPACKUNG

Title (fr)
SYSTÈME ET PROCÉDÉ DE MISE EN FORME, REMPLISSAGE ET FERMETURE EN LIGNE PERMETTANT DE FORMER UN EMBALLAGE DE PRODUIT

Publication
EP 3321198 A4 20190410 (EN)

Application
EP 16795958 A 20160513

Priority

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Abstract (en)
[origin: EP3321198A2] Disclosed is a system of in-line shaping, filling and enclosing to form product packaging, said system comprising: a sterilisation device, a shaping device, a conveyor belt, a filling device and a first sealing device. Also disclosed is a method of in-line shaping, filling and enclosing to form product packaging. The method integrates the production and filling of large-capacity packaging, significantly shortens the supply chain, and increases the production efficiency.

IPC 8 full level
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Citation (search report)

- [Y] US 4598529 A 19860708 - PONGRASS ROBERT G [AU], et al
- [Y] JP 2009057076 A 20090319 - TOPPAN PRINTING CO LTD
- [Y] EP 2516275 A1 20121031 - CRYOVAC INC [US]
- [Y] EP 2243706 A1 20101027 - NESTEC SA [CH]
- See references of WO 2016185266A2

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