

Title (en)  
MODULAR PACKAGING APPARATUS

Title (de)  
MODULARE VERPACKUNGSVORRICHTUNG

Title (fr)  
APPAREIL D'EMBALLAGE MODULAIRE

Publication  
**EP 4129839 A1 20230208 (EN)**

Application  
**EP 21189395 A 20210803**

Priority  
EP 21189395 A 20210803

Abstract (en)  
A modular packaging apparatus (1) for providing packages of the type known as Doypack (A), which comprises: at least one first independent and separate station (2) for forming pouches (B), which is provided with at least one reel (C) of polymeric film (D), with at least one assembly (3) for folding and coupling flaps of the film (D), at least one track (4) for the support, even just in localized regions, of a continuous planar lamina (E) of layers of film (D), and at least one cutting unit (5) for dividing the planar lamina (E) into pouches (B); at least one second independent and separate station (7) for the filling and closing of the pouches (B); at least one element for the pickup and transfer of at least one individual pouch (B) from the at least one track (4) to at least one entry stage (8) for the pouches (B) of the second station (7), the at least one pickup element being interposed between the at least one track (4) and the second filling and closing station (7).

IPC 8 full level  
**B65B 65/00** (2006.01); **B31B 70/10** (2006.01); **B31B 70/26** (2006.01); **B31B 70/36** (2006.01); **B31B 70/64** (2006.01); **B31B 70/98** (2006.01); **B65B 9/02** (2006.01); **B65B 9/08** (2006.01); **B65B 43/04** (2006.01); **B65B 43/14** (2006.01); **B65H 45/22** (2006.01)

CPC (source: EP)  
**B65B 9/02** (2013.01); **B65B 43/04** (2013.01); **B65B 43/14** (2013.01); **B65B 65/003** (2013.01); **B65H 45/221** (2013.01); **B31B 70/10** (2017.07); **B31B 70/262** (2017.07); **B31B 70/36** (2017.07); **B31B 70/645** (2017.07); **B31B 70/98** (2017.07); **B31B 2155/0014** (2017.07); **B31B 2160/10** (2017.07); **B65B 9/08** (2013.01)

Citation (search report)  
• [XY] US 6247293 B1 20010619 - TODD JAMES E [US], et al  
• [IY] US 2004011001 A1 20040122 - HIRAMOTO SHINICHI [JP]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
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