

Title (en)
PACKAGING SYSTEM AND METHOD FOR PRODUCING POUCHES

Title (de)
VERPACKUNGSSYSTEM UND VERFAHREN ZUR HERSTELLUNG VON BEUTELN

Title (fr)
SYSTÈME D'EMBALLAGE ET PROCÉDÉ DE PRODUCTION DE SACHETS

Publication
EP 4342805 A1 20240327 (EN)

Application
EP 23198469 A 20230920

Priority
NL 2033078 A 20220920

Abstract (en)
The present invention relates to a packaging system (1) for producing pouches (2) having at least one compartment (3) and made from a water-soluble first foil (4) and a water-soluble second foil (5), the packaging system (1) comprising a mould conveyor (6) configured to move multiple moulds (7) in a conveying direction (8) wherein each mould comprises at least one forming cavity (10); a first foil supplying device (12) configured to position the first foil on the support surface of the mould and over its at least one forming cavity; a forming device (13) configured to form a part of the first foil extending over the at least one forming cavity into the at least one forming cavity of the moulds to form at least one open compartment (15) of the pouch; a sensor system (16) configured to acquire forming condition data (17) of the at least one open compartment, the sensor system being configured to be operatively coupled to a control system (18) configured for comparing the forming condition data to a desired forming condition, and for generating a control command corresponding to a predetermined forming condition, wherein the packaging system is configured to control the pouch production based on receipt of the control command.

IPC 8 full level
B65B 9/02 (2006.01); **B65B 9/04** (2006.01); **B65B 41/00** (2006.01); **B65B 41/12** (2006.01); **B65B 47/00** (2006.01); **B65B 47/02** (2006.01); **B65B 57/00** (2006.01); **B65B 57/02** (2006.01)

CPC (source: EP)
B65B 9/02 (2013.01); **B65B 9/023** (2013.01); **B65B 9/04** (2013.01); **B65B 9/042** (2013.01); **B65B 41/00** (2013.01); **B65B 41/12** (2013.01); **B65B 47/02** (2013.01); **B65B 57/02** (2013.01)

Citation (search report)

- [Y] US 11273943 B2 20220315 - TAGUCHI YUKIHIRO [JP], et al
- [Y] US 10619042 B2 20200414 - LABEQUE REGINE [BE], et al
- [Y] WO 2015160741 A2 20151022 - PROCTER & GAMBLE [US]
- [A] CA 2983452 C 20190910 - PROCTER & GAMBLE [US]
- [A] US 8662880 B2 20140304 - FOWLER JAMES [US], et al
- [A] US 2018133919 A1 20180517 - WATERMAN ALEXANDER J [US], et al
- [A] US 2021163160 A1 20210603 - BOOD ARIE [NL], et al
- [A] EP 1375351 A1 20040102 - PROCTER & GAMBLE [US]
- [A] US 7253378 B2 20070807 - GERTITSCHKE DETLEV [DE], et al
- [A] US 5074102 A 19911224 - SIMPSON WALLINGTON M [US], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4342805 A1 20240327; NL 2033078 B1 20240326

DOCDB simple family (application)
EP 23198469 A 20230920; NL 2033078 A 20220920