



US009411322B2

(12) **United States Patent**
May et al.

(10) **Patent No.:** **US 9,411,322 B2**
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **AUTOMATED PACKAGING SYSTEMS WITH ELECTRIC MOTOR DRIVEN ACTUATORS FOR COMPRESSION CHAMBERS**

B65B 25/065 (2013.01); *B65B 51/04* (2013.01); *B65B 57/00* (2013.01); *B65B 63/026* (2013.01); *B65B 65/02* (2013.01); *B65B 9/15* (2013.01)

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(58) **Field of Classification Search**
CPC B65H 25/065; B65B 51/04; B65B 9/15; B65B 25/06; B65B 51/043; B65B 7/06; B65B 35/205; B65B 39/007; G05B 11/01
USPC 414/198; 110/114, 289; 53/132.1, 258, 53/530, 567, 576, 579
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 87 days.

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(21) Appl. No.: **14/539,403**
(22) Filed: **Nov. 12, 2014**

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WO WO2011/033931 3/2011

(65) **Prior Publication Data**
US 2015/0073602 A1 Mar. 12, 2015

OTHER PUBLICATIONS
European Search Report for corresponding EP Application No. EP12811892, date mailed Nov. 28, 2014, 6 pages.

Related U.S. Application Data

(60) Division of application No. 13/797,510, filed on Mar. 12, 2013, now Pat. No. 8,950,574, which is a continuation-in-part of application No. 13/546,323, filed on Jul. 11, 2012, now Pat. No. 8,950,573.
(60) Provisional application No. 61/507,208, filed on Jul. 13, 2011, provisional application No. 61/776,216, filed on Mar. 11, 2013.

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(51) **Int. Cl.**
B65B 7/00 (2006.01)
G05B 11/01 (2006.01)
(Continued)

(57) **ABSTRACT**
Methods, systems, apparatus, devices and computer program products automatically package an object, such as, for example, whole muscle meat pieces, in a covering material. The devices include an automated compression assembly with an electric drive motor and a pusher assembly with an electric motor, preferably each electric motor is a servo motor. The systems/apparatus devices can include a programmably adjustable index and/or speed profile for the compression and/or pusher assembly.

(52) **U.S. Cl.**
CPC . **G05B 11/01** (2013.01); **B65B 5/06** (2013.01);

15 Claims, 29 Drawing Sheets

