

Title (en)

SERVO MOTOR OPERATED INDEXING MOTION PACKAGING MACHINE AND METHOD.

Title (de)

VERPACKUNGSMASCHINE UND -VERFAHREN MIT SERVOMOTOR FÜR SCHRITTWEISEN ANTRIEB.

Title (fr)

PROCEDE ET MACHINE D'EMBALLAGE A MOUVEMENT D'INDEXATION SERVOMOTORISEE.

Publication

**EP 0515661 B1 19940309**

Application

**EP 92902856 A 19911210**

Priority

- US 62627890 A 19901212
- US 75321891 A 19910830
- US 75321991 A 19910830

Abstract (en)

[origin: WO9210405A2] An indexing motion apparatus and method for vacuum packaging of articles such as hot dogs, sliced luncheon meat, cheese or pharmaceuticals. A lower web (14) of packaging material is indexingly advanced by a lower web drive driven in an indexing manner by a servo motor (78). Forming tooling is provided for vacuum forming the lower web (14) to form one or more product cavities (102) and the forming tooling is movable between raised and lowered positions by a lifting and lowering system driven by a servo motor (110). A plug assist mechanism (108) is provided for assisting the web to conform to the forming cavities (98). The plug assist mechanism (108) is also movable in response to operation of servo motors, which actuate a pair of linear actuators. After the formed product cavities (102) are loaded with product, the cavities are evacuated and an upper web applied to vacuum package the product. A slitting mechanism (330) severs the upper and lower webs into individual product packages. The servo motors are programmable and provide accurate position of the components of the packaging machine, and also provide ease in changing the various parameters of the packaging machine according to the type of product being packaged.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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