

Title (en)

Vertical bag manufacturing and packaging apparatus

Title (de)

Vertikale Schlauchbeutelmaschine

Title (fr)

Machine verticale de formation, remplissage et scellage de sacs

Publication

EP 1270417 A1 20030102 (EN)

Application

EP 02254194 A 20020614

Priority

JP 2001194161 A 20010627

Abstract (en)

The longitudinal-type bag manufacturing and packaging apparatus is an apparatus for packaging batches of articles being dropped. The longitudinal-type bag manufacturing and packaging apparatus includes a bag manufacturing and packaging unit (120), a film supply unit (128), photoelectric sensors (27) and a controller (30). The photoelectric sensors detect a bottom end and a top end of batches of articles being dropped. The controller obtains a gap distance based on detected results detected by the photoelectric sensors. The gap distance is a distance between the top end of a preceding batch and the bottom end of a subsequent batch. Then, the controller (30) compares the obtained gap distance with a predetermined value to automatically adjust the cycle time or to reduce the processing speed of the weighing unit. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] US 6119438 A 20000919 - BACON FORREST C [US], et al
- [DA] JP H1077002 A 19980324 - ISHIDA SEISAKUSHO

Cited by

CN104303120A; US8773274B2; WO2011138208A1

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