Title (en)

VERTICAL MACHINE FOR MAKING BAGS FROM A TUBULAR WEB

Publication

EP 0192604 B1 19880713 (DE)

Application

EP 86810058 A 19860204

Priority

CH 73985 A 19850218

Abstract (en)

[origin: US4738287A] To fill low-weight, high-volume goods, such as potato chips, popcorn and the like into bags as the bags are being made, the fill goods are introduced into a hopper and a filling funnel which is joined to a fill tube. The fill tube has air inlet openings at the upper portion, air outlet openings at the lower portion, and then continues to a holder and bag-forming tube. A film (102), for example, of plastic, is wrapped about the bag forming tube (105), and seamed vertically, so that the tube is being made as goods are introduced into the hopper and funnel. An air stream (B) is generated longitudinally in the fill tube (103) by introducing air under above-atmospheric pressure into the upper air inlet openings (104) formed as downwardly directed flap nozzles (119), the air being removed from lower openings (122) and, for example, recirculated in the recirculating blower (107), the openings being closed off outwardly by a jacket forming respective air inlet and outlet chambers (111,116). The fill goods are accelerated downwardly, while being prevented from "dancing" above the introduced air by the volume of the fill goods themselves within the hopper or inlet funnel (101). The bag is formed by usual vertical bag seaming apparatus (131) and cross-seamed, pinched and severed by filling and pinching jaws (113).

IPC 1-7

B65B 9/20

IPC 8 full level

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CPC (source: EP US)

B65B 9/213 (2013.01 - EP US); **B65B 37/14** (2013.01 - EP US)

Cited by

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