

Title (en)
DEVICE FOR FILLING AND CLOSING BAGS OPEN AT ONE SIDE

Publication
EP 0290879 B1 19921111 (DE)

Application
EP 88106847 A 19880428

Priority
DE 3715684 A 19870511

Abstract (en)
[origin: US4873815A] An apparatus for filling and closing sacks has a pair of grippers for gripping the lateral portions of the sacks adjacent to their opening-defining edges, the grippers of each pair are movable toward and away from each other, also a pair of suction cups for pulling the side walls of the sacks apart adjacent to the opening-defining edges between the grippers, a filling pipe, which is adapted to be lowered into and to be lifted out of the opened sacks, and a welding device for forming a transverse seam weld to close the opening-defining edges when they have been pulled taut by a movement of the grippers away from each other. A transfer conveyor is provided for conveying freely suspended sacks into the region below the filling pipe, pivoted arms are connected to a turning drive carry the grippers and serve to take over the sacks in a position in which the sacks are substantially aligned with the longitudinal axis of the filling pipe, the turning drive pivotally moves the filled sacks in the feeding direction beyond the filling pipe into the welding station and deposits the sacks on a support in the welding station. In the welding station opening-defining edge portions are provided by the welding jaws of the welding device with a transverse seam weld closing the sacks, and the turning drive subsequently imparts to the pivoted arms a pivotal movement to their filling position below the filling pipe so that they can take over and hold the next sack.

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B65B 1/22; **B65B 43/46**

IPC 8 full level
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CPC (source: EP US)
B65B 1/22 (2013.01 - EP US); **B65B 43/465** (2013.01 - EP US)

Cited by
DE19708596C1; US6082077A; EP0559952A1; DE19933486A1; DE19933486C2; EP0562274A1; US5375396A; EP1050458A1; US6474050B1

Designated contracting state (EPC)
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