

Title (en)
COLLATING AND PACKAGING MACHINE.

Title (de)
ZUSAMMENTRAG- UND VERPACKUNGSMASCHINE.

Title (fr)
MACHINE DE COLLATIONNEMENT ET D'EMPAQUETAGE.

Publication
EP 0038324 A4 19830214 (EN)

Application
EP 80900190 A 19810504

Priority
US 7900893 W 19791025

Abstract (en)
[origin: WO8101126A1] An apparatus (10, 201) for loading sausages (15, 220) into trays (60, 239), which includes a conveyor (14, 207) for the sausages and another (18, 243) for the trays. The sausages and trays are carried in the same direction (16) laterally adjacent each other, and the trays are arrested one by one at a loading station (24a, 237). A low-friction table surface (22) is located immediately above the tray and sausages are placed in side-by-side relation on the table. When the requisite number of sausages are accumulated on the table, a pusher blade (62) shoves the sausages past the forward end (55) of the table surface and into the forward end of the tray. The tray is then moved forward one-half its length, so that the next batch of sausages is inserted in the rearward end. Alternatively, a collating tray (219) is provided with plural apertures (269) connected to a source of pressurized air. The sausages on the tray tend to float on the pressurized air and are further carried across the collating tray by air jets (221) which form a moving blanket of air across the top of the collating tray. When the tray is full of sausages, the tray is rotated to an inclined position (231) and abruptly stopped so that the sausages, still floating on the air supplied from the apertures, are aligned against an end wall (233) on the alignment tray. A vacuum is supplied to the collating tray apertures to hold the sausages in place, and the tray is inverted above a packaging tray (239). The vacuum is discontinued, and the sausages, in properly aligned and collated orientation, fall freely from the collating tray into the waiting packaging tray.

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CPC (source: EP)
B65B 19/34 (2013.01)

Citation (search report)

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- DE 1923476 A1 19701210 - WINKLER DUENNEBIER KG MASCH
- GB 1346757 A 19740213 - MOLINS MACHINE CO LTD

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