

ABSTRACTA process and a device for conveying articles, particularly for automatic packaging plants

The articles, such as boxes of confectionery products, which initially advance on a plurality of paths which are parallel to one another (L1, ..., L10) are firstly ordered in rows such that they slide on a surface of a plate (2) under the action of motor-driven entrainment strips or blades (5). When they pass onto a conveyor (8) acting in a direction transverse the general direction of advance of the articles (A) on the plate (2), the rows are compacted by urging the articles (A) against a side restraint plate (7). The articles (A) can then be withdrawn from the compact rows in a predetermined number when the rows themselves pass in correspondence with further motor-driven conveyors (10) which act in a direction transverse to the general entrainment line of the articles (A). The withdrawal operation can be repeated several times, when the rows have been compacted in the interim, urging the articles against the side plate (7) again.

A preferred application in automatic packaging machines for food products, such as confectionery products.

(Figure 2)

This Sheet Has Been Replaced

