

Title (en)

LINEAR SORTER HAVING VARIABLY RUNNING CROSS-BELT SUPPORTS

Title (de)

LINEARSORTIERER MIT VARIABEL LAUFENDEN QUERGURT-TRÄGERN

Title (fr)

TRIEUR LINÉAIRE AVEC DES ÉLÉMENTS PORTEURS À BANDE TRANSVERSALE À DÉFILEMENT VARIABLE

Publication

EP 3880589 A1 20210922 (DE)

Application

EP 19801775 A 20191101

Priority

- EP 18206077 A 20181113
- EP 2019079959 W 20191101

Abstract (en)

[origin: WO2020099149A1] The invention relates to a linear sorter (1) for sorting piece goods (10), comprising a closed circulation on tracks (30) of a plurality of cross-belt elements (21), in which the piece goods (10) are transported on an upper run (31) on the cross-belt elements (21) and are sorted by unloading to corresponding destination points (11, 11'), and the cross-belt elements (21) return on a lower run (32). The cross-belt elements (21) are driven by linear motors. In order to simplify the maintenance and to have to keep fewer cross-belt elements (21) available as replacement components, the linear motors for the cross-belt elements (21) are controlled such that, as the cross-belt elements (21) return on the lower run, (32) the speed (V_{ret}) of the cross-belt elements is higher ($V_{ret} > V_{sort}$) than the speed (V_{sort}) of the cross-belt elements (21) while travelling on the upper run (31).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020099149A1

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