

Title (en)
CORRUGATED CARDBOARD STACKING DEVICE

Publication
EP 0149737 B1 19870429 (DE)

Application
EP 84113044 A 19841030

Priority
DE 3400343 A 19840107

Abstract (en)
[origin: EP0149737A1] 1. Corrugated cardboard stacking device for a format depositing means (12) for corrugated cardboard sections behind a transverse cutting means (21), comprising several series-connected belt type conveyors (13, 14, 15, 16) adapted to be separately driven by individual driving means and receiving the corrugated cardboard sections in an overlapping scale flow formation, with a separating means (23, 24) behind a first belt type conveyor (13) for the formation of a predetermined gap in the scale flow, with at least one format depositing means (12) arranged behind the last belt type conveyor (16) and working to the lifting principle and provided with a vertically adjustable stacking platform (19), with a control device (25) for the individual driving means (FM1, FM2, FM3, FM4) of the belt type conveyors (13 to 16) and for the stroke of the stacking platform (19), with the belt type conveyors (13 to 16) behind the separating means (23, 24) being adapted to be run simultaneously upward during the operation of stacking off from a stationary speed of operation for the purpose of extending the gap in accordance with the speed and to be subsequently run down again in a cascade-like manner, characterized in that the separating means (23, 24) in case of response will lift the corrugated cardboard section respectively disposed thereabove and will be activated for the purpose of accumulating the following corrugated cardboard sections until the series-connected belt type conveyor is free of formats, and in that the belt type conveyors (14, 15, 16) disposed behind the separating means (23, 24) during the cascade-like running down movement are adapted to be adjusted to a speed deviating from the operating speed and which is selected dependant on the respective length of format in such a manner that the forward edge of the foremost corrugated cardboard section reaches the format depositing means (12) at the arrival thereof in the starting position.

IPC 1-7
B65H 33/12; **B65H 33/02**; **B65H 29/66**

IPC 8 full level
B65H 29/66 (2006.01); **B65H 29/68** (2006.01); **B65H 33/02** (2006.01); **B65H 33/12** (2006.01)

CPC (source: EP)
B65H 29/66 (2013.01); **B65H 29/68** (2013.01); **B65H 33/02** (2013.01); **B65H 33/12** (2013.01); **B65H 2701/1762** (2013.01)

Citation (examination)
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Cited by
EP0211996A1; EP0399623A3; US6318954B1; WO9841465A1

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