

Title (en)

APPARATUS FOR REMOVING STACKS OF SHEETS

Publication

EP 0316568 B1 19930728 (DE)

Application

EP 88116782 A 19881010

Priority

DE 3739194 A 19871119

Abstract (en)

[origin: EP0316568A2] In an apparatus for removing stacks of sheets, in particular paper sheets fed in overlapping fashion, comprising - a lowerable delivery platform (2), - a vertically movable separating element (27) which is arranged on the rear side of the stack (16) and can be pushed between the rear edges of the sheets, in the region of the top of the stack, in particular between the uppermost sheet of the stack (16) and the overlapping stream (14), - two vertically offset and vertically movable clamping jaws (19, 20) which are arranged on the rear side of the stack and can be pushed independently of one another in the space created by the separating element (27), and - a vertically displaceable auxiliary stacking platform (21) which is arranged on the rear side of the stack and can be moved immediately below the bottom clamping jaw (20) into the region of the delivery platform (2), the two clamping jaws (19, 20) and the auxiliary stacking platform (21) are mounted together in a carriage (18) which can be displaced vertically by a vertical drive (23), it being possible to synchronise the downward movement of the carriage (18) with the downward movement of the delivery platform (2). <??>In this apparatus, the vertical movements of the individual stack- changing elements required for a loss-free stack change can be carried out with the required accuracy and with little outlay in terms of construction. <IMAGE>

IPC 1-7

B65H 31/32

IPC 8 full level

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CPC (source: EP US)

B65H 31/32 (2013.01 - EP US); **B65H 2301/42256** (2013.01 - EP US)

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EP0773179A3; US5915688A; US5484256A; DE4401818C2

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EP 0316568 A2 19890524; **EP 0316568 A3 19900711**; **EP 0316568 B1 19930728**; AT E92002 T1 19930815; DE 3739194 A1 19890601; DE 3739194 C2 19900426; DE 3882652 D1 19930902; ES 2051813 T3 19940701; FI 885378 A0 19881118; FI 885378 A 19890520; FI 91385 B 19940315; FI 91385 C 19940627; JP 2732867 B2 19980330; JP H01162678 A 19890627; US 4949953 A 19900821

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