

Title (en)

Pile unleader for removing a sub-pile from a pile of sheets.

Title (de)

Entstapelgerät zum Abnehmen eines Teilstapels von einem Blätterstapel.

Title (fr)

Déchargeur de piles des feuilles pour enlever une section de pile d'une pile des feuilles.

Publication

EP 0423065 B1 19950215 (DE)

Application

EP 90810688 A 19900912

Priority

CH 372989 A 19891012

Abstract (en)

[origin: US5102293A] Two vertically displaceable slides (5, 9) carry in horizontally movable fashion a tabletop (1) and, respectively, a gripper with an upper gripper jaw (6) and a gripper base (7). The gripper base (7) contains a horizontally displaceable blade (12) and supporting elements (24, 25) which are horizontally displaceable and also vertically movable with respect to the blade (12). A Stack of sheets is set up in front of the tabletop (1). The slides (5, 9) are lowered until the upper gripper jaw (6) rests on the sheet stack. The blade (12), previously retracted into the gripper base (7), is then made to pierce the stack of sheets at an exactly settable distance below the upper gripper jaw (6). The slides (5, 9) are slightly elevated in order to form a gap in the sheet stack with the blade (12). The supporting elements (24, 25) are pushed into the gap below the blade (12), and are then urged upwardly past the level of the blade (12) so that they alone bear the weight of the sheets resting thereon. Upon further elevation of the slides (5, 9) until the tabletop (1) can be introduced into the gap, the blade (12) thus cannot damage the sheets.

IPC 1-7

B65H 3/32; **B65H 13/00**; **B65H 31/30**

IPC 8 full level

B65H 3/32 (2006.01); **B65H 31/30** (2006.01)

CPC (source: EP US)

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Cited by

DE102010016938A1; DE102010017593B4; DE102010016938B4; CN107487625A; EP0694489A1; US5657618A; EP0749923A1; US5709524A; DE102010056593B4; EP1593627A3; DE102010056593A1; DE102010017593A1; WO2021171095A1; EP1264792A1

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