

Title (en)
SIGNATURE STACKING MACHINE

Publication
EP 0128873 B1 19890111 (EN)

Application
EP 84830037 A 19840216

Priority
IT 6765783 A 19830614

Abstract (en)
[origin: EP0128873A2] The machine comprises a supporting structure (2) to which are attached an approximately vertical-axis cage (12) for stacking signatures, and conveyor means (3) arranged to receive a continuous stream of signatures and feed these signatures to the stacking cage (12). Two platforms (18, 19) located one above the other, are movable axially relative to the stacking cage (12), the upper platform (18) (blade) being intended to receive the signatures fed to the stacking cage (12) and being lowerable as the signatures are stacked thereon, towards the lower platform (19) in synchronism with the feed movement of the signatures. The upper platform (18) can then be withdrawn from the stacking cage (12) to transfer the pile of signatures formed thereon onto the lower platform (19). Above the stacking cage (12) is a guide element for the signatures (26), this guide element (26) being at least partially movable relative to the structure (2) in the direction of stacking of the signatures themselves. The arrangement is such that the guide element (26) is kept constantly in a position of substantial contact with the last signature fed to the cage (12), its position being varied as a result of momentary variations in the speed of stacking of the signatures in order to prevent jamming of the signatures themselves.

IPC 1-7
B65H 31/18; **B65H 29/14**; **B65H 29/66**; **B65H 33/12**; **B65H 29/12**; **B65H 31/32**; **B65H 31/30**

IPC 8 full level
B65H 29/12 (2006.01); **B65H 29/14** (2006.01); **B65H 29/66** (2006.01); **B65H 31/18** (2006.01); **B65H 31/30** (2006.01); **B65H 31/32** (2006.01); **B65H 33/12** (2006.01)

CPC (source: EP)
B65H 29/12 (2013.01); **B65H 29/14** (2013.01); **B65H 29/66** (2013.01); **B65H 31/18** (2013.01); **B65H 31/3054** (2013.01); **B65H 31/32** (2013.01); **B65H 33/12** (2013.01); **B65H 2301/42242** (2013.01); **B65H 2404/261** (2013.01); **B65H 2801/21** (2013.01)

Citation (examination)
• GB 897164 A 19620523 - SMITH PAPER MILLS LTD HOWARD
• GB 775937 A 19570529 - THOROLF EGGE

Cited by
EP0192211A3; EP0899229A3; EP0243769A3

Designated contracting state (EPC)
AT BE CH DE FR GB LI NL SE

DOCDB simple family (publication)
EP 0128873 A2 19841219; **EP 0128873 A3 19850717**; **EP 0128873 B1 19890111**; AT E39909 T1 19890115; DE 3476055 D1 19890216; IT 1212986 B 19891207; IT 8367657 A0 19830614

DOCDB simple family (application)
EP 84830037 A 19840216; AT 84830037 T 19840216; DE 3476055 T 19840216; IT 6765783 A 19830614