

Title (en)
DEVICE FOR FEEDING SHEETS TO A PROCESSING MACHINE

Publication
EP 0035428 B1 19830511 (FR)

Application
EP 81400247 A 19810218

Priority
FR 8003925 A 19800222

Abstract (en)
[origin: EP0035428A1] 1. Device for feeding a processing machine with sheets, of the type comprising a flat and substantially horizontal feed board (4), a front stop (3), or "feed knife", making it possible to allow one sheet to pass through at a time, a rear push-rod (8) driven with a longitudinal reciprocating motion, and a rear stop (10) intended for supporting the rear of the stack of sheets (2) and placed above the said push-rod, characterized in that it also comprises one or more suction boxes (12) located in front and under the said feed table (4) and driven with a longitudinal reciprocating motion by means of a transmission (19, 20) linked to the transmission (21, 22), which moves the said push-rod (8), so that their strokes substantially match during at least a first part (c) of the forward stroke of the said push-rod, corresponding at least to the longitudinal distance (L) of support of the stack (2) by the said rear stop (11, 10), the said box or boxes (12) being connected to a device (13, 14) creating a partial vacuum therein during the said matching (c) of forward strokes, and then releasing the said partial vacuum.

IPC 1-7
B65H 3/12; **B65H 3/24**

IPC 8 full level
B65H 3/12 (2006.01); **B65H 3/24** (2006.01)

CPC (source: EP)
B65H 3/122 (2013.01); **B65H 3/24** (2013.01); **B65H 2301/42322** (2013.01)

Cited by
CN111620172A; EP0451091A1; EP0133560A3; US4630812A; CN104876040A; EP2336059A1; EP2740695A1; US8690151B2; US11999583B2

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 0035428 A1 19810909; **EP 0035428 B1 19830511**; DE 3160246 D1 19830616; FR 2476615 A1 19810828; FR 2476615 B1 19840601

DOCDB simple family (application)
EP 81400247 A 19810218; DE 3160246 T 19810218; FR 8003925 A 19800222