

Title (en)  
Device for stacking sheets

Title (de)  
Vorrichtung zum Stapeln von Blättern

Title (fr)  
Dispositif d'empilement de feuilles

Publication  
**EP 0470329 B1 19971229 (DE)**

Application  
**EP 91105405 A 19910405**

Priority  
CH 256690 A 19900806

Abstract (en)  
[origin: EP0470329A1] A device for stacking sheets (3) has in at least one belt plane (12) a belt (17) of predetermined length and an endless belt (26). In the belt plane (12), rigid rollers (20 to 25) and three guide rollers (13; 14; 15), which can be displaced by means of a carriage (11) to alter the belt geometry, are used for spreading out and tensioning the belts (17; 26). As soon as the sheet (3) passes along a direction of movement (32 or 36) into a transport plane (16) formed by the belts (17; 26), a drive (30) displaces the carriage (11) along a rail (8) and over a stack (1) in the same direction of movement (32 or 36), the sheet (3) seized by the belts (17; 26) being conveyed at twice the speed of the carriage (11) to the outer guide roller (13 or 15) and guided around said roller to be deposited onto the stack (1). <IMAGE>

IPC 1-7  
**B65H 29/36**; **G07F 7/04**

IPC 8 full level  
**B65H 29/14** (2006.01); **B65H 29/36** (2006.01); **G07F 7/04** (2006.01)

CPC (source: EP KR US)  
**B65H 1/00** (2013.01 - KR); **B65H 29/36** (2013.01 - EP US); **G07F 7/04** (2013.01 - EP US); **Y10S 209/90** (2013.01 - EP US)

Cited by  
US5803227A; DE10105242C1; EP0568486A3; DE10331018A1; DE10331018B4; KR100809135B1; US7357391B2; US6244589B1; US6953191B2; WO2005005294A3

Designated contracting state (EPC)  
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0470329 A1 19920212**; **EP 0470329 B1 19971229**; CA 2044839 A1 19920207; DE 59108910 D1 19980205; ES 2110420 T3 19980216; HK 1007047 A1 19990326; HU 912462 D0 19911230; HU T58641 A 19920330; JP 2914535 B2 19990705; JP H04235854 A 19920824; KR 920004262 A 19920327; MX 9100349 A 19920401; NO 913024 D0 19910802; NO 913024 L 19920207; US 5139149 A 19920818

DOCDB simple family (application)  
**EP 91105405 A 19910405**; CA 2044839 A 19910618; DE 59108910 T 19910405; ES 91105405 T 19910405; HK 98106214 A 19980623; HU 246291 A 19910723; JP 18677791 A 19910726; KR 910013609 A 19910806; MX 9100349 A 19910724; NO 913024 A 19910802; US 73204591 A 19910718