

Title (en)
SHELF STACKING MACHINE

Title (de)
REGALFAHRZEUG

Title (fr)
GERBEUR

Publication
EP 1156979 B1 20030709 (DE)

Application
EP 00918750 A 20000229

Priority
• DE 29903671 U 19990302
• EP 0001674 W 20000229

Abstract (en)
[origin: US7192236B1] The invention relates to a shelf stacking machine for stocking and removing paper reels, especially in the printing industry. The shelf stacking machine can be driven in a lane with storage places at both sides. Said storage places receive paper reels which are stacked one on top of the other or behind each other in the direction of the lane. The shelf stacking machine is provided with a receptacle for a paper reel. Said receptacle is formed by a fork which can be height-adjustably pivoted around a horizontal axle. The fork is provided with measuring devices which detect the load of the received paper reel. The measuring devices supply the detected measured data via a control device to an actuator which is coupled to the fork movement-wise and which height-adjustably pivots the fork into the horizontal position according to the measured data. The actuator holds the fork in said horizontal position during paper reel transport.

IPC 1-7
B66F 9/07; **B65G 1/04**

IPC 8 full level
B65G 1/04 (2006.01); **B66F 9/07** (2006.01)

CPC (source: EP US)
B66F 9/07 (2013.01 - EP US); **Y10S 414/124** (2013.01 - EP US)

Cited by
US7229045B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 7192236 B1 20070320; AT E244679 T1 20030715; DE 29903671 U1 19990805; DE 50002828 D1 20030814; EP 1156979 A1 20011128; EP 1156979 B1 20030709; ES 2202092 T3 20040401; WO 0051931 A1 20000908

DOCDB simple family (application)
US 91477300 A 20000229; AT 00918750 T 20000229; DE 29903671 U 19990302; DE 50002828 T 20000229; EP 0001674 W 20000229; EP 00918750 A 20000229; ES 00918750 T 20000229