

Title (en)

Device for controlling the means for feeding sheets in a machine

Title (de)

Vorrichtung zur Servosteuerung der Mittel zum Zuführen von Bögen in einer Maschine

Title (fr)

Dispositif d'asservissement des organes délivrant des feuilles à une machine

Publication

EP 1170228 B1 20051228 (FR)

Application

EP 01110578 A 20010430

Priority

CH 9632000 A 20000516

Abstract (en)

[origin: US2001042954A1] The device comprises a lifting mechanism (1), a sheet-inserting means, means for detecting the front top level of the stack (32) connected to a computer acting on an electric motor (11) of the stack-lifting mechanism (1), and means for raising the stack (4). The detector (32) of the front level of the stack (4) comprises means for measuring the extent of variations in the level of the stack. The computer is also connected to a source of information (17) relating to the supply frequency in real time and to the nominal thickness of the sheets. The computer output is connected to a frequency-varying means for controlling the electric motor (11), the computer being designed so that the value of the signal appearing at its output is characteristic of the difference between the measured level of the stack (4) and the calculated level.

IPC 1-7

B65H 1/14

IPC 8 full level

B65H 1/18 (2006.01); **B65H 1/14** (2006.01)

CPC (source: EP KR US)

B65H 1/14 (2013.01 - EP US); **B65H 1/18** (2013.01 - KR); **B65H 2511/13** (2013.01 - EP US); **B65H 2511/15** (2013.01 - EP US); **B65H 2511/30** (2013.01 - EP US); **B65H 2557/20** (2013.01 - EP US); **B65H 2557/32** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US); **Y10S 414/105** (2013.01 - EP US)

Cited by

WO2011009567A1; US8960410B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2001042954 A1 20011122; AT E314297 T1 20060115; AU 4382001 A 20011122; AU 777199 B2 20041007; BR 0101972 A 20011226; BR 0101972 B1 20101103; CA 2347477 A1 20011116; CA 2347477 C 20050315; CH 693850 A5 20040315; CN 1141233 C 20040310; CN 1323729 A 20011128; DE 60116191 D1 20060202; DE 60116191 T2 20060824; EP 1170228 A2 20020109; EP 1170228 A3 20030108; EP 1170228 B1 20051228; ES 2255524 T3 20060701; JP 2002012328 A 20020115; JP 3488212 B2 20040119; KR 100426418 B1 20040408; KR 20010105195 A 20011128; TW 533179 B 20030521; US 2004061275 A1 20040401; US 6874780 B2 20050405

DOCDB simple family (application)

US 85544701 A 20010515; AT 01110578 T 20010430; AU 4382001 A 20010510; BR 0101972 A 20010516; CA 2347477 A 20010515; CH 9632000 A 20000516; CN 01119627 A 20010516; DE 60116191 T 20010430; EP 01110578 A 20010430; ES 01110578 T 20010430; JP 2001146769 A 20010516; KR 20010026396 A 20010515; TW 90109359 A 20010419; US 66847703 A 20030922