

Title (en)

A capacity control system for a paper supply elevator

Title (de)

Kontrollsystem der Kapazität für einen Bogenzuführhubantrieb

Title (fr)

Système de contrôle de la capacité pour un élévateur d'alimentation de papier

Publication

EP 1281645 A3 20040128 (EN)

Application

EP 02077808 A 20020712

Priority

US 90933401 A 20010719

Abstract (en)

[origin: EP1281645A2] A capacity control system for a paper supply elevator comprises a paper support (16) and a paper sensor (52) for detecting the presence of paper on the paper support. A home position sensor (14) detects a home position of the paper support. A stack up sensor (36) detects a topmost sheet of paper in a stack of papers located on the paper support (16). An intermittent drive (22) raises and lowering the paper support (16). A control panel (32) inputs an expected paper stack size. A control circuit for the intermittent drive (22) causes the intermittent drive to move the paper support (16) to a position corresponding to the expected paper stack size. <IMAGE>

IPC 1-7

B65H 1/18

IPC 8 full level

B65H 7/14 (2006.01); **B65H 1/14** (2006.01); **B65H 1/18** (2006.01)

CPC (source: EP US)

B65H 1/18 (2013.01 - EP US); **B65H 2511/15** (2013.01 - EP US); **B65H 2511/51** (2013.01 - EP US); **B65H 2551/15** (2013.01 - EP US); **B65H 2553/414** (2013.01 - EP US)

Citation (search report)

- [X] US 4052051 A 19771004 - MERSEREAU ROBERT E, et al
- [A] US 5165678 A 19921124 - KOSEKI MASAAKI [JP], et al

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EP2274216A4

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1281645 A2 20030205; **EP 1281645 A3 20040128**; JP 2003054769 A 20030226; US 2003015836 A1 20030123

DOCDB simple family (application)

EP 02077808 A 20020712; JP 2002209812 A 20020718; US 90933401 A 20010719