

Title (en)

Detector for periodically detecting pile height

Title (de)

Taster zum zyklischen Abtasten der Stapelhöhe

Title (fr)

Détecteur pour détecter périodiquement la hauteur d'empilage

Publication

EP 0620173 B1 19970903 (DE)

Application

EP 94104376 A 19940319

Priority

DE 4312228 A 19930414

Abstract (en)

[origin: EP0620173A1] A detector for periodically detecting the pile height of a feed pile (1) of a paper sheet processing machine, in particular a printing machine, having a lever drive mechanism with a scanning roll which is in constant contact, by means of a spring, with a drive cam which can be driven cyclically at least during the paper run, having a four-bar guide mechanism with two levers (14, 16, 18, 22) which are arranged one above the other, are mounted in each case with one lever end in an articulated manner on the frame, and are mounted in each case with their other lever end in an articulated manner on a coupler (20), spaced apart, a detector foot (8) being attached to a downwardly extending, vertical continuation of the coupler (20) to detect the pile height, having a carrier stop which is attached to the drive mechanism, having a stop surface (31) on the guide mechanism, which stop surface is arranged and designed to correspond to the carrier stop for the periodical production of a contact to raise the detector foot (8), and having a spring whose one spring bearing is attached fixedly to the machine and whose other spring bearing is attached to the guide mechanism and whose spring force presses the stop surface (31) in the direction towards the carrier stop. <IMAGE>

IPC 1-7

B65H 1/18; **B65H 3/48**

IPC 8 full level

B41F 33/14 (2006.01); **B65H 1/18** (2006.01); **B65H 3/48** (2006.01); **B65H 7/02** (2006.01)

CPC (source: EP US)

B65H 1/18 (2013.01 - EP US); **B65H 3/48** (2013.01 - EP US); **B65H 2402/54** (2013.01 - EP US); **B65H 2403/512** (2013.01 - EP US); **B65H 2553/61** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Cited by

EP1733981A3; EP1733981A2

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0620173 A1 19941019; **EP 0620173 B1 19970903**; AT E157625 T1 19970915; DE 4312228 A1 19941027; DE 59403917 D1 19971009; JP 2587583 B2 19970305; JP H06305600 A 19941101; US 5398924 A 19950321

DOCDB simple family (application)

EP 94104376 A 19940319; AT 94104376 T 19940319; DE 4312228 A 19930414; DE 59403917 T 19940319; JP 7456194 A 19940413; US 22759394 A 19940414