Title (en)
  Booklet medium-handling device

Title (de)
  Handhabungsvorrichtung für Broschürenmedium

Title (fr)
  Dispositif de manipulation de support de livret

Publication
  EP 2399754 A2 20111228 (EN)

Application
  EP 11161648 A 20110408

Priority
  JP 2010146613 A 20100628

Abstract (en)
  A pusher main body of a pusher is supported by a spring formed by a compression coil. The rotational movement of a shaft is transmitted to the pusher main body via a pusher guide and the spring interposed between the pusher guide and the pusher main body. The pusher is brought into contact with a passbook as an object to be pushed up in a state moved into a conveying path. At this time, if load larger than a predetermined load is placed on the pusher main body, the amount of pivotal movement of the pusher main body is limited to less than the amount of pivotal movement of the shaft and the pusher guide due to elastic deformation (compression) of the spring.

IPC 8 full level
  B42D 9/04 (2006.01); **B42D 9/06** (2006.01); **B65H 5/06** (2006.01); **B65H 15/00** (2006.01); **G07F 7/00** (2006.01); **G07F 19/00** (2006.01)

CPC (source: EP KR)
  B42D 9/04 (2013.01 - EP KR); **B65H 5/062** (2013.01 - EP); **G07F 19/00** (2013.01 - KR); **G07F 19/201** (2013.01 - EP); B65H 2404/1141 (2013.01 - EP); B65H 2701/1926 (2013.01 - EP)

Citation (applicant)
  JP H0966686 A 19970311 - OMRON TATEISI ELECTRONICS CO

Cited by
  EP2853409A1

Designated contracting state (EPC)
  AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
  BA ME

DOCDB simple family (publication)
  EP 2399754 A2 20111228; **EP 2399754 A3 20120912**; **EP 2399754 B1 20131016**; ES 2432436 T3 20131203; JP 2012006345 A 20120112; JP 5462087 B2 20140402; KR 101253406 B1 20130411; KR 20120001594 A 20120104

DOCDB simple family (application)
  EP 11161648 A 20110408; ES 11161648 T 20110408; JP 2010146613 A 20100628; KR 20110035844 A 20110418