

Title (en)

Sheet accumulating device, sheet accumulating method and sheet feeding device

Title (de)

Verfahren und Vorrichtung zum Sammeln von Blättern, und Blattzufuhrvorrichtung

Title (fr)

Procédé et dispositif pour l'accumulation de feuilles, et dispositif d'alimentation en feuilles

Publication

**EP 1726550 A2 20061129 (EN)**

Application

**EP 06010706 A 20060523**

Priority

JP 2005150171 A 20050523

Abstract (en)

A sheet accumulating device, a sheet accumulating method and a sheet feeding device are provided. The sheet accumulating device (2) includes a sheet feeding section (4), a front stopper (20), an attenuation section of the front stopper, an accumulating portion in which sheets whose front ends are caught by the front stopper are accumulated, and a damping force controlling section (8) that controls damping force in the attenuation section based on a mass of the sheets, a speed of feeding the sheets, or a product of the mass of the sheets and the speed of feeding, thereby causing no damage to the sheets even in a case in which two or more types of sheets having the different masses are fed in at a high speed.

IPC 8 full level

**B65H 31/36** (2006.01)

CPC (source: EP)

**B65H 31/36** (2013.01); **B65H 33/02** (2013.01); **B65H 2301/4454** (2013.01); **B65H 2403/60** (2013.01); **B65H 2511/40** (2013.01); **B65H 2513/10** (2013.01); **B65H 2513/30** (2013.01); **B65H 2515/10** (2013.01); **B65H 2515/30** (2013.01); **B65H 2701/176** (2013.01); **B65H 2701/1928** (2013.01)

Cited by

CN102431829A; CN109368353A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1726550 A2 20061129**; **EP 1726550 A3 20071031**; **EP 1726550 B1 20110105**; AT E494250 T1 20110115; DE 602006019346 D1 20110217; JP 2006327714 A 20061207

DOCDB simple family (application)

**EP 06010706 A 20060523**; AT 06010706 T 20060523; DE 602006019346 T 20060523; JP 2005150171 A 20050523