

Title (en)

Method and unit for selecting and separating reams from a stack of sheets of paper or similar

Title (de)

Verfahren und Vorrichtung zur Auswahl und zum Abteilen von Riesen von einem Papierstapel

Title (fr)

Dispositif et procédé de sélection et division d'une rame d'une pile de feuilles

Publication

**EP 1585057 A1 20051012 (EN)**

Application

**EP 04425263 A 20040408**

Priority

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Abstract (en)

A ream (2) is selected and separated from a stack (3) of sheets (4) by means of a separating member (16) which is inserted inside the stack (3) at an insertion region (18) defined by images acquired by a television camera (10) moved vertically to cover a given scanning region (12) of the stack (3); a focused portion (T1) of each image acquired by the television camera (10) being located as a function of the location in the image of a line (23) projected onto the stack (3) at an angle of incidence ( $\theta$ ) of other than 90°.

IPC 1-7

**G06M 9/00**; **B65H 7/12**

IPC 8 full level

**B07C 5/10** (2006.01); **B65H 3/00** (2006.01); **B65H 3/32** (2006.01); **B65H 3/36** (2006.01); **B65H 3/46** (2006.01); **B65H 7/02** (2006.01); **B65H 31/12** (2006.01); **B65H 33/04** (2006.01); **B65H 39/02** (2006.01); **B65H 39/045** (2006.01); **B65H 39/05** (2006.01); **B65H 39/055** (2006.01); **B65H 39/065** (2006.01); **B65H 39/07** (2006.01); **B65H 39/075** (2006.01); **B65H 43/08** (2006.01); **G06M 1/10** (2006.01); **G06M 9/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [A] EP 0173613 A1 19860305 - KANZAKI PAPER MFG CO LTD [JP]
- [A] WO 9110972 A1 19910725 - WESTLING BJOERN MAGNUS [SE], et al
- [A] EP 0743616 A2 19961120 - EASTMAN KODAK CO [US]
- [A] US 3422274 A 19690114 - COAN EDWARD M

Cited by

EP4177023A1; US9782802B2; US11485594B2; WO2014067848A3; WO2023079203A1; WO2020249350A1

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