

Title (en)

Torque limiting mechanism for use in a drive system.

Title (de)

Drehmomentbegrenzungsmechanismus zur Verwendung in einem Antriebssystem.

Title (fr)

Mécanisme de limitation du moment de rotation, en usage dans un système d'entraînement.

Publication

**EP 0486252 B1 19950412 (EN)**

Application

**EP 91310410 A 19911112**

Priority

GB 9024998 A 19901116

Abstract (en)

[origin: EP0486252A2] The invention relates to a torque limiting mechanism comprising rotatable drive and driven members (144,146) having a common axis of rotation. The drive member (144) includes a resilient tripping finger (152) having an end portion (154) which is adapted to engage resiliently in a recess (166) formed in the inner surface of a cylindrical portion (162) of the driven member (146) for the purpose of applying a driving torque to the driven member (146). In the event of this torque exceeding a certain limit, the tripping finger (152) is caused to become disengaged from the recess (166), thereby disconnecting the drive to the driven member (146) and permitting the drive member (144) to rotate relative to the driven member (146). The torque limiting mechanism may be included in a drive system included in a currency note pick mechanism, the torque limiting mechanism serving to disconnect drive to the pick mechanism in the event of a gulp feed occurring. <IMAGE>

IPC 1-7

**B65H 3/06**; **G07D 13/00**

IPC 8 full level

**B65H 3/08** (2006.01); **B65H 5/06** (2006.01)

CPC (source: EP)

**B65H 3/0808** (2013.01); **B65H 5/062** (2013.01); **B65H 2301/321** (2013.01)

Citation (examination)

- GB 2205649 A 19881214 - NCR CO
- PATENT ABSTRACTS OF JAPAN vol. 10, no. 114 (M-473)(2171) 26 April 1986 & JP-A-60 241 533 ( NIHON HATSUNIYOU K.K. ) 16 May 1984

Cited by

EP0486251A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0486252 A2 19920520**; **EP 0486252 A3 19930317**; **EP 0486252 B1 19950412**; DE 69108855 D1 19950518; DE 69108855 T2 19951214; GB 9024998 D0 19910102

DOCDB simple family (application)

**EP 91310410 A 19911112**; DE 69108855 T 19911112; GB 9024998 A 19901116