

Title (en)

Accumulation system for processing media items of various sizes and types

Title (de)

Akkumulationssystem zur Bearbeitung von Medien unterschiedlicher Grösse und Art

Title (fr)

Système d'accumulation de matériaux de différentes tailles et sortes

Publication

EP 1785376 A3 20081217 (EN)

Application

EP 06023628 A 20061114

Priority

US 27479405 A 20051115

Abstract (en)

[origin: EP1785376A2] An accumulator system and method for collating a plurality of media items wherein the media items enter in seriatim at an media item entry point and become at least partially overlapped with each other at a media item exit point. A media item transport path connects the media item entry point and the media item exit point. A moveable member (20) is mounted along the media item transport path between the entry point and the exit point. The moveable member (20) forms part of a pocket (50) into which media items are moved to create a collation of media items. The moveable member (20) is moveable to change the size of the pocket (50). A protective member (22) may be mounted to the moveable member (20) and positioned to protect the trailing edge of media items in the pocket (50) from the leading edge of media items to thereafter be moved into the pocket. The media item may be aligned in the collation position when moving the protective member to a media item trailing edge protective position. The transport means (38) for media items can be controlled to partially move a media item along an exit path beyond the collation position. Media items of different lengths can be formed as part of the collation at the collation position with the trailing edge of the media items aligned.

IPC 8 full level

B65H 5/02 (2006.01); **B65H 31/28** (2006.01)

CPC (source: EP US)

B65H 31/20 (2013.01 - EP US); **B65H 31/3027** (2013.01 - EP US); **B65H 31/3081** (2013.01 - EP US); **B65H 39/10** (2013.01 - EP US); **B65H 2301/4213** (2013.01 - EP US); **B65H 2301/42262** (2013.01 - EP US); **B65H 2301/42266** (2013.01 - EP US); **B65H 2511/10** (2013.01 - EP US)

Citation (search report)

- [X] US 6796558 B1 20040928 - DORER WILFRIED [DE]
- [X] US 2003151190 A1 20030814 - OTTO EDWARD M [US], et al
- [X] US 2004201164 A1 20041014 - FLICKNER BRETT [US], et al

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 RS

DOCDB simple family (publication)

EP 1785376 A2 20070516; **EP 1785376 A3 20081217**; US 2007108691 A1 20070517

DOCDB simple family (application)

EP 06023628 A 20061114; US 27479405 A 20051115