

Title (en)

DEVICE AND METHOD FOR SINGULATING FLAT ITEMS BY MEANS OF TWO SINGULATORS AND A LENGTH DETECTOR

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VEREINZELN VON FLACHEN GEGENSTÄNDEN MITTELS ZWEIER VEREINZELER UND EINEM LÄNGENDETEKTOR

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SÉPARATION D'ARTICLES PLATS AU MOYEN DE DEUX SÉPARATEURS ET D'UN DÉTECTEUR DE LONGUEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: US2011048892A1] An apparatus and a method separate flat objects, including flat mail items. The apparatus has a first and a second separator. Each separator extends a plurality of overlapping objects in a direction parallel to the object planes. The second separator has a transport element and a retaining element. The second separator can be operated optionally in a separating mode, in which it is capable of separating objects, and a transport mode. An overlap detection device checks whether an item which is transported by the second separator contains a single object or a plurality of overlapping objects. The overlap detection device measures the respective length of the transported item at at least two instants. If the length changes, the item contains a plurality of overlapping objects. If a plurality of objects has been detected, the second separator is switched over into the separating mode and it separates the objects.

IPC 8 full level

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