

Title (en)
A document conveyor system.

Title (de)
Fördervorrichtung für Dokumente.

Title (fr)
Convoyeur pour documents.

Publication
EP 0145113 A1 19850619 (EN)

Application
EP 84304984 A 19840723

Priority
• GB 8329618 A 19831105
• GB 8330447 A 19831115

Abstract (en)
A transport mechanism is disclosed for transporting a document (16) around a track (10) in a groove (12). A boundary wall in the form of a continuous wall (20) or an array of guide cylinders (52) is provided on the outside of a corner around which the track passes. A breaking cylinder (30) which is rotated with the same surface velocity as the document (16) constricts the document (16) against the boundary (20,52) and opens out any longitudinal folds (22) therein to reduce the mechanical strength which they cause in the document (16). A drive mechanism (28,38) then flattens the document (16) against the boundary (20,52) and renders the document (16) flexible for the continuation of its transportation around the curved track (10). Dog-ears (56) on the leading edge (57) of a document (16) are conditional to prevent their causing impediment to further document transportation either by being folded back against the document (16) or by being folded back into the plane of the document (16).

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B65H 5/06

IPC 8 full level
B65H 5/06 (2006.01); **B65H 5/36** (2006.01)

CPC (source: EP)
B65H 5/062 (2013.01); **B65H 5/36** (2013.01); **B65H 2301/321** (2013.01); **B65H 2301/33** (2013.01); **B65H 2301/34** (2013.01); **B65H 2301/51** (2013.01); **B65H 2701/1912** (2013.01)

Citation (search report)
• GB 2092115 A 19820811 - LAUREL BANK MACHINE CO
• US 3588090 A 19710628 - HUSTON JAMES ANTHONY, et al
• DD 109596 A1 19741112

Cited by
CN112863760A; US5891847A

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