

Title (en)

Device for individually separating flat objects, especially postal correspondence and the like, and spacing them at constant distances apart.

Title (de)

Einrichtung zum Vereinzeln und auf gleichmässige Abstände bringen von flachen Gegenständen, insbesondere Briefpost und dgl.

Title (fr)

Dispositif pour la séparation d'objets plats, notamment d'objets postaux et analogues, et pour l'espacement desdits objets par des intervalles constants.

Publication

EP 0060596 A1 19820922 (EN)

Application

EP 82200288 A 19820305

Priority

IT 2033181 A 19810313

Abstract (en)

A separator-spacer device for flat objects, such as postal correspondence, in which the objects to be handled are fed into the V space formed by the opposing branches (25, 26) of two bands (27, 28), which are urged resiliently against each other, in order to define a first pinch point (38). One band (27) has a high coefficient of friction and moves in feed direction (16) of the objects, the other band (28) moves at a lower speed in opposite direction and has a lower coefficient of friction. Downstream of the bands (27, 28) there is provided a belt conveyor (41, 45) moving at a greater speed than the first band (27), and forming a second pinch point (51) spaced apart from the first by a distance less than the minimum length of the objects.

IPC 1-7

B65H 3/52; **B65H 3/04**; **B07C 1/04**

IPC 8 full level

B07C 1/04 (2006.01); **B65H 3/04** (2006.01); **B65H 3/52** (2006.01)

CPC (source: EP)

B07C 1/04 (2013.01); **B65H 3/042** (2013.01); **B65H 3/5246** (2013.01)

Citation (search report)

- [Y] US 3048393 A 19620807 - FURR ROBERT J, et al
- [Y] US 3664661 A 19720523 - WEEKS HORACE W, et al
- [A] GB 1071521 A 19670607 - NEDERLANDEN STAAT
- [A] GB 1067589 A 19670503 - TELEFUNKEN PATENT
- [A] CH 373945 A 19631215 - JAGENBERG WERKE AG [DE]
- [A] DE 1267012 B 19680425 - TELEFUNKEN PATENT

Cited by

DE102008025558A1; CN109482512A; CN1112693C; EP0125359A1; EP0279402A3; US5363971A; EP1169571A4; DE102004037420B3; US5456457A; US5186448A; GB2135284A; EP0195348A1; FR2578808A1; US4718809A; EP0718232A1; US5386984A; FR2674777A1; US7168700B2; US7644915B2

Designated contracting state (EPC)

AT BE DE FR GB NL SE

DOCDB simple family (publication)

EP 0060596 A1 19820922; **EP 0060596 B1 19850605**; AT E13655 T1 19850615; AU 544687 B2 19850613; AU 8137282 A 19820916; CA 1182136 A 19850205; DE 3263990 D1 19850711; ES 510362 A0 19830201; ES 8302486 A1 19830201; IT 1136812 B 19860903; IT 8120331 A0 19810313; JP S57166244 A 19821013; ZA 821443 B 19830126

DOCDB simple family (application)

EP 82200288 A 19820305; AT 82200288 T 19820305; AU 8137282 A 19820312; CA 378691 A 19810529; DE 3263990 T 19820305; ES 510362 A 19820312; IT 2033181 A 19810313; JP 3821482 A 19820312; ZA 821443 A 19820304