Title (en)

Device for assembling flat objects

Title (de)

Vorrichtung zum Zusammenbringen von flächigen Erzeugnissen

Title (fr)

Dispositif pour assembler des produits plats

Publication

EP 0771754 B1 20000126 (DE)

Application

EP 96114758 A 19960914

Priority

CH 312495 A 19951103

Abstract (en)

[origin: EP0771754A1] The device has carrying elements (20) which are arranged one behind another on a tension element (14) which is driven in the direction (U) of circulation. Each carrying element has a supporting element (22) for the products which extends in the longitudinal direction (L). Supply equipment (12) is fitted to the device, and has positions (36) which are arranged behind one another in the direction of circulation, at which it delivers a product to the carrying element which is moving past it. A removal position is arranged downstream from these positions, at which the collected products are withdrawn from the carrying elements. The longitudinal direction of the latter runs at an acute angle (alpha) to the direction of circulation, when viewed from above.

IPC 1-7

B65H 39/075

IPC 8 full level

B65H 5/32 (2006.01); **B65H 39/11** (2006.01); **B65H 29/04** (2006.01); **B65H 29/06** (2006.01); **B65H 29/66** (2006.01); **B65H 31/24** (2006.01); **B65H 31/28** (2006.01); **B65H 39/075** (2006.01)

CPC (source: EP US)

B65H 39/075 (2013.01 - EP US); B65H 2301/4322 (2013.01 - EP US); B65H 2301/4352 (2013.01 - EP US); B65H 2301/4356 (2013.01 - EP US); B65H 2301/4474 (2013.01 - EP US); B65H 2301/4476 (2013.01 - EP US); B65H 2301/44795 (2013.01 - EP US); B65H 2405/352 (2013.01 - EP US)

C-Set (source: EP US)

1. B65H 2301/4474 + B65H 2220/02
2. B65H 2301/4476 + B65H 2220/01
3. B65H 2301/44795 + B65H 2220/01

Cited by

EP0819641A1; US5887532A; EP0896946A3; US5992840A; CH697984B1; AU2001295355B2; US6764069B2; US7516839B2; WO02057167A1; WO0236474A1; WO2004013026A1; JP2008044349A

Designated contracting state (EPC)

CH DE DK GB LI SE

DOCDB simple family (publication)

EP 0771754 A1 19970507; **EP 0771754 B1 20000126**; AU 6792296 A 19970508; AU 702313 B2 19990218; CA 2188989 A1 19970504; CA 2188989 C 19990601; DE 59604286 D1 20000302; DK 0771754 T3 20000417; JP H09165137 A 19970624; US 5765823 A 19980616

DOCDB simple family (application)

EP 96114758 A 19960914; AU 6792296 A 19960927; CA 2188989 A 19961028; DE 59604286 T 19960914; DK 96114758 T 19960914; JP 29249996 A 19961105; US 74125996 A 19961030