

Title (en)
CONVEYING SYSTEM

Title (de)
FÖRDERSYSTEM

Title (fr)
SYSTEME DE TRANSPORT

Publication
EP 1915306 A1 20080430 (DE)

Application
EP 06752913 A 20060710

Priority
• CH 2006000363 W 20060710
• CH 12712005 A 20050729

Abstract (en)
[origin: WO2007045105A1] Disclosed is a conveying system to be used in the printing industry, especially in mailroom technology. Said conveying system comprises a revolvingly driven conveying member (1) that is provided with supporting elements (2) which are fixed to a traction rope (1.1) in a stationary and optionally torsion-proof manner. The conveying member (1) can be provided with another rope (1.2) which has the same length as the traction rope (1.1), revolves substantially parallel thereto, and is used as a guide rope or second traction rope. Grippers that are disposed laterally on the belt-shaped conveying member (1), which is formed by ropes (1.1, 1.2) and supporting elements (2), are arranged on the supporting elements (2) in order to grab and hold individual printed products (11) or groups of printed products (11). The conveying member (1) is deflected onto different deflection planes via guiding means (4), e.g. in the form of deflection wheels (5), while being twisted between such deflections such that the three-dimensional position of the supporting elements (2) and the conveyed printed products (11) is or can be modified. The guiding means (4) are equipped with revolving guiding members (6.1, 6.2) which are positioned so as to be in contact with the supporting elements (2). The inventive conveying system can easily be adjusted to and/or be used for very different conveying tasks because the position of the supporting elements (2) on the ropes (1.1, 1.2) can be selected freely while the other functional elements of the system, particularly the guiding means (4) with the revolving guiding members (6.1, 6.2), are largely independent of the distance between the supporting elements (2).

IPC 8 full level
B65H 29/00 (2006.01); **B65H 29/02** (2006.01)

CPC (source: EP US)
B65H 29/003 (2013.01 - EP US); **B65H 29/005** (2013.01 - EP US); **B65H 2405/55** (2013.01 - EP)

Citation (search report)
See references of WO 2007045105A1

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

DOCDB simple family (publication)
WO 2007045105 A1 20070426; AU 2006303798 A1 20070426; AU 2006303798 B2 20110825; CA 2617200 A1 20070426;
EP 1915306 A1 20080430; US 2008210521 A1 20080904; US 7784602 B2 20100831

DOCDB simple family (application)
CH 2006000363 W 20060710; AU 2006303798 A 20060710; CA 2617200 A 20060710; EP 06752913 A 20060710; US 99705106 A 20060710