

Title (en)

Vacuum web transport device for guiding a running web

Title (de)

Unterdruck-Bandfördervorrichtung zum Führen einer laufenden Bahn

Title (fr)

Dispositif à dépression d'alimentation d'une bande pour guider une bande en mouvement

Publication

EP 1792860 B1 20110914 (DE)

Application

EP 06024085 A 20061121

Priority

DE 102005057426 A 20051130

Abstract (en)

[origin: EP1792860A2] In a reduced pressure conveyor belt device for guiding a moving sheet (2), with an air-permeable endless transporting belt (5) guided in a loop (8) with upper and lower tracks (6, 7) and a reduced pressure source (9) to fix the sheet to the inside of a track (6), reduced pressure is applied by long gap ejector(s) (10, 11), each having an air jet injector (12) with air outlet nozzles (14) along the inlet side (15, 16) of the long gap (17, 18), under the inside of the sheet fixing track (6).

IPC 8 full level

D21G 9/00 (2006.01); **B65H 20/06** (2006.01)

CPC (source: EP US)

B65H 20/10 (2013.01 - EP US); **D21G 9/0063** (2013.01 - EP US); **B65H 2301/522** (2013.01 - EP US)

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)

EP 1792860 A2 20070606; **EP 1792860 A3 20090311**; **EP 1792860 B1 20110914**; AT E524608 T1 20110915; CA 2569924 A1 20070530; CA 2569924 C 20131224; DE 102005057426 A1 20070531; US 2007119895 A1 20070531; US 7625465 B2 20091201

DOCDB simple family (application)

EP 06024085 A 20061121; AT 06024085 T 20061121; CA 2569924 A 20061130; DE 102005057426 A 20051130; US 56422406 A 20061128