

Title (en)

Method for sheet transfer and punching machine with gripper transport system

Title (de)

Verfahren zur Bogenübergabe und Stanzmaschine mit Greifer-Transportsystem

Title (fr)

Procédé de transfert de feuille et machine à découper à l'emporte-pièce dotée d'un système de transport à pince

Publication

EP 2653420 A3 20150506 (DE)

Application

EP 13158876 A 20130313

Priority

DE 102012007606 A 20120416

Abstract (en)

[origin: EP2653420A2] The method involves feeding a sheet (6) by a sheet feeder (1) and opening a gripper (80) of a gripper carriage (8) by pivoting from lower gripper levers below a sheet transport level (E) or by moving from lower gripping pad in a retracted position. The sheet is inserted and aligned in a sheet transfer point (U), where the collision-free insertion of the gripper carriage in the sheet transfer point is performed. The sheet is transported through a machine (100) by moving the gripper carriage. An independent claim is included for a sheet punching or embossing machine for using sheet.

IPC 8 full level

B65H 5/08 (2006.01); **B65H 5/14** (2006.01)

CPC (source: EP)

B65H 5/085 (2013.01); **B65H 5/14** (2013.01); **B65H 2801/42** (2013.01)

Citation (search report)

- [XA] DE 2337210 A1 19750206 - MASCHF AUGSBURG NUERNBERG AG
- [AD] DE 202007012349 U1 20071213 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] WO 2007102025 A2 20070913 - BARON RAYMOND PAUL [GB]

Cited by

US10994960B2; WO2017178437A1; EP3643650B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2653420 A2 20131023; **EP 2653420 A3 20150506**; **EP 2653420 B1 20160824**; CN 103373618 A 20131030; CN 103373618 B 20170308; DE 102012007606 A1 20131017; ES 2601807 T3 20170216

DOCDB simple family (application)

EP 13158876 A 20130313; CN 201310131679 A 20130416; DE 102012007606 A 20120416; ES 13158876 T 20130313