

Title (en)
METHOD AND DEVICE FOR TRANSPORTING FLAT WORKPIECES

Title (de)
VERFAHREN UND VORRICHTUNG ZUM TRANSPORT VON FLACHEN WERKSTÜCKEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE TRANSPORT DE PIÈCES D'USINAGE PLATES

Publication
EP 2323935 B1 20141224 (DE)

Application
EP 09780739 A 20090716

Priority
• EP 2009059188 W 20090716
• DE 102008040899 A 20080731
• DE 102009000893 A 20090216

Abstract (en)
[origin: WO2010012609A2] The invention describes a method for changing the transporting direction of successive flat workpieces in a device for transporting flat workpieces (2, 22) with a workpiece width (B), in particular of hose sections (2, 22) - in which flat workpieces (2, 22) are advanced onto a supporting surface (13) in a first transporting direction (z) by means of an advancing device (19),-in which in each case a flat workpiece (2, 22) is conveyed from the supporting surface (13) by means of a transfer device (20, 24-27) in a second transporting direction (x) which is parallel to the plane of the flat workpiece (2, 22) and extends orthogonally with respect to the first transporting direction (z), wherein, directly before and/or during the transport in this transporting direction (x), the flat workpiece (2, 22) bears, at least with its side regions on a transport plane (20) of the transfer device (20, 24 - 27). A following flat workpiece (2, 22) is advanced at least by a certain distance (?z), while the workpiece running ahead is transported on in the second transporting direction (x) by a distance (?x) which is shorter than the workpiece width (B).

IPC 8 full level
B65H 5/08 (2006.01); **B31B 50/04** (2017.01)

CPC (source: EP)
B65H 5/085 (2013.01); **B65H 2301/34112** (2013.01); **B65H 2404/23** (2013.01); **B65H 2404/261** (2013.01); **B65H 2701/191** (2013.01)

Cited by
WO2022175766A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010012609 A2 20100204; WO 2010012609 A3 20100325; CN 102171118 A 20110831; CN 102171118 B 20141105; DE 102009000893 A1 20100211; DE 102009000893 B4 20150319; EP 2323935 A2 20110525; EP 2323935 B1 20141224; ES 2529467 T3 20150220

DOCDB simple family (application)
EP 2009059188 W 20090716; CN 200980138824 A 20090716; DE 102009000893 A 20090216; EP 09780739 A 20090716; ES 09780739 T 20090716