

Title (en)

MACHINE ARRANGEMENTS FOR SEQUENTIAL MACHINING OF SHEET-TYPE SUBSTRATES

Title (de)

MASCHINENANORDNUNG ZUM SEQUENTIELLEN BEARBEITEN BOGENFÖRMIGER SUBSTRATE

Title (fr)

ARRANGEMENT DE MACHINES DESTINÉ À L'USINAGE SÉQUENTIEL DE SUBSTRATS DE FORME CINTRÉE

Publication

EP 3752364 A2 20201223 (DE)

Application

EP 19706452 A 20190214

Priority

- DE 102018202284 A 20180214
- DE 102018202283 A 20180214
- DE 102018202282 A 20180214
- DE 102018202280 A 20180214
- EP 2019053634 W 20190214

Abstract (en)

[origin: WO2019158629A2] The invention relates to a machine arrangement for sequentially machining sheet-type substrates, using a plurality of different machining stations, wherein the plurality of machining stations each have a substrate guide unit and a substrate machining unit. The aim of the invention is to provide a machine arrangement for sequentially machining a plurality of sheet-shaped substrates. The aim is achieved in that a straight line extending through an axis of rotation of a machining cylinder (22, 38) and through an axis of rotation of a transfer drum (44) mounted immediately downstream or a transport cylinder (44) mounted immediately downstream forming, with respect to a horizontal, an acute angle (α_1) and/or a straight line which passes through an axis of rotation of a machining cylinder (22, 38) and an axis of rotation of a transfer drum (43) mounted directly upstream or of a transport cylinder (43) mounted immediately upstream forming, with respect to the horizontal, an acute angle (α_2), the horizontal extending respectively through the axis of rotation of the respective transfer drum (43; 44) or through the axis of rotation of the respective transport cylinder (44) or the respective feed cylinder (43).

IPC 8 full level

B41F 11/00 (2006.01); **B41F 13/46** (2006.01); **B41F 21/00** (2006.01); **B41J 13/22** (2006.01)

CPC (source: EP US)

B41F 11/00 (2013.01 - EP); **B41F 13/46** (2013.01 - EP US); **B41F 21/00** (2013.01 - EP); **B41J 11/0015** (2013.01 - EP); **B41J 11/002** (2013.01 - EP US); **B41J 13/223** (2013.01 - EP); **B41J 11/00216** (2021.01 - EP US); **B41J 11/0022** (2021.01 - EP US)

Citation (search report)

See references of WO 2019158629A2

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)

WO 2019158629 A2 20190822; **WO 2019158629 A3 20191010**; EP 3752364 A2 20201223; EP 3752364 B1 20211013

DOCDB simple family (application)

EP 2019053634 W 20190214; EP 19706452 A 20190214