

Title (en)

PROCESSING MACHINE AND METHOD FOR ALIGNING A SUBSTRATE IN A PROCESSING MACHINE

Title (de)

BEARBEITUNGSMASCHINE SOWIE VERFAHREN ZUR AUSRICHTUNG EINES SUBSTRATES IN EINER BEARBEITUNGSMASCHINE

Title (fr)

MACHINE DE TRAITEMENT ET PROCÉDÉ D'ALIGNEMENT D'UN SUBSTRAT DANS UNE MACHINE DE TRAITEMENT

Publication

EP 4377092 A1 20240605 (DE)

Application

EP 23701659 A 20230120

Priority

- DE 102022102707 A 20220204
- EP 2023051326 W 20230120

Abstract (en)

[origin: WO2023148013A1] The invention relates to a processing machine (01), wherein at least one processing unit (900) in the form of a shaping unit (900) follows at least one processing unit (600) in the form of an application unit (600) in the transport direction (T) of substrate (02), wherein at least one transport unit (700) is arranged between the at least one processing unit (600) in the form of an application unit (600) and the at least one subsequent processing unit (900), the at least one transport unit (700) comprising a plurality of transport elements (701), the transport elements (701) of the plurality of transport elements (701) being arranged one behind the other in the transport direction (T), at least one transport element (701) of the plurality of transport elements (701) being axially adjustable in accordance with the detection of at least one imaging element of a substrate (02) by at least one sensor (704) for substrate alignment. The invention further relates to a method for aligning a substrate (02) in a processing machine (01).

IPC 8 full level

B41F 13/14 (2006.01); **B41F 19/00** (2006.01); **B41F 21/08** (2006.01); **B41F 21/10** (2006.01); **B41F 33/00** (2006.01); **B65H 9/00** (2006.01)

CPC (source: EP)

B41F 13/14 (2013.01); **B41F 19/008** (2013.01); **B41F 21/08** (2013.01); **B41F 21/102** (2013.01); **B41F 33/0036** (2013.01); **B41F 33/0081** (2013.01); **B65H 5/06** (2013.01); **B65H 5/222** (2013.01); **B65H 7/08** (2013.01); **B65H 7/10** (2013.01); **B65H 7/14** (2013.01); **B65H 9/002** (2013.01); **B65H 29/20** (2013.01); **B65H 29/241** (2013.01); **B65H 29/62** (2013.01); **B65H 31/24** (2013.01); **B65H 43/04** (2013.01); **B41P 2200/12** (2013.01); **B65H 2301/331** (2013.01); **B65H 2404/1523** (2013.01); **B65H 2406/3122** (2013.01); **B65H 2511/24** (2013.01); **B65H 2511/512** (2013.01); **B65H 2553/42** (2013.01); **B65H 2601/272** (2013.01); **B65H 2701/1311** (2013.01); **B65H 2801/42** (2013.01)

C-Set (source: EP)

1. **B65H 2511/24** + **B65H 2220/03**
2. **B65H 2701/1311** + **B65H 2220/01**
3. **B65H 2511/512** + **B65H 2220/01**

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102022102707 A1 20230810; CN 118019647 A 20240510; EP 4377092 A1 20240605; WO 2023148013 A1 20230810

DOCDB simple family (application)

DE 102022102707 A 20220204; CN 202380013699 A 20230120; EP 2023051326 W 20230120; EP 23701659 A 20230120