

Title (en)  
COMPONENT HANDLING DEVICE FOR COMPONENT HANDLING, AND INJECTION-MOULDING MACHINE EQUIPPED THEREWITH

Title (de)  
BAUTEIL-HANDHABUNGSVORRICHTUNG ZUM BAUTEILHANDLING UND DAMIT AUSGERÜSTETE SPRITZGIEßMASCHINE

Title (fr)  
DISPOSITIF DE MANIPULATION DE COMPOSANT SERVANT À LA MANUTENTION DE COMPOSANT ET MACHINE DE MOULAGE PAR INJECTION ÉQUIPÉE DE CELUI-CI

Publication  
**EP 3959041 A1 20220302 (DE)**

Application  
**EP 20722223 A 20200407**

Priority  
• DE 102019205940 A 20190425  
• EP 2020059925 W 20200407

Abstract (en)  
[origin: WO2020216613A1] A component handling device for component handling in work machines or processing machines, in particular in injection-moulding machines, comprises - a base linear axis (T1) extending outside or inside the handling space (HR) of the handling device, - a multiaxial arrangement (9) that is able to be moved in translation on the base linear axis (T1) and has = a main axis of rotation (R1) extending orthogonally to the base linear axis (T1), = a secondary axis of rotation (R2) that is directed parallel thereto, is linked to the main axis of rotation (R1) via a first robot arm (11), and guides a second robot arm (12) in a pivotable manner over the handling space (HR), and = a vertical linear axis (T2) that is linked to the second robot arm (12) eccentrically with respect to the secondary axis of rotation (R2), and = a gripping device (5), linked to the vertical linear axis (T2), for a component (BT) to be handled.

IPC 8 full level  
**B25J 5/02** (2006.01); **B25J 9/04** (2006.01)

CPC (source: EP US)  
**B25J 5/02** (2013.01 - EP); **B25J 9/044** (2013.01 - EP); **B29C 45/42** (2013.01 - EP); **B65G 47/90** (2013.01 - US)

Citation (search report)  
See references of WO 2020216613A1

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 2020216613 A1 20201029**; CA 3138003 A1 20201029; CN 114364491 A 20220415; DE 102019205940 A1 20201029; EP 3959041 A1 20220302; JP 2022530120 A 20220627; MX 2021012806 A 20211112; US 2022177237 A1 20220609

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