

Title (en)

APPARATUS ASSOCIATED WITH AN INJECTION PRESS

Title (de)

VORRICHTUNG IM ZUSAMMENHANG MIT EINER EINSPRITZPRESSE

Title (fr)

APPAREIL ASSOCIE A UNE PRESSE D'INJECTION

Publication

EP 3684581 A1 20200729 (FR)

Application

EP 18768910 A 20180918

Priority

- IT 201700104124 A 20170918
- EP 2018075242 W 20180918

Abstract (en)

[origin: WO2019053292A1] The present invention describes an apparatus (10) for coupling a first part (92) and a second part (90) after they have been produced by injection moulding. It comprises a linear slide (12), a carriage (18) that is mounted on the slide (12) where it is able to move in translation in a direction of movement (X); a pivoting member (40; 70) that is mounted in a cantilevered fashion on the carriage for rotating in a satellite motion about an axis of rotation (Y) perpendicular to the direction of movement of the carriage (18), such that the rotation of the pivoting member (40; 70) causes one (90) of the two parts to turn over and allows it to be coupled with the other (92). The driving part comprises a first electric drive unit (30) mounted on the slide (12) in order to move the carriage (18) along the slide (12); and a second electric drive unit (50) mounted on the carriage (18) for rotating the pivoting member (40; 70) in such a way as to couple the two parts (90, 92).

IPC 8 full level

B29C 45/00 (2006.01)

CPC (source: EP KR US)

B29C 45/006 (2013.01 - EP KR US); **B29C 45/0081** (2013.01 - KR); **B29C 45/1769** (2013.01 - KR); **B29C 45/76** (2013.01 - KR); **B29C 2045/1794** (2013.01 - US); **B29L 2031/56** (2013.01 - KR); **B29L 2031/565** (2013.01 - EP KR)

Citation (search report)

See references of WO 2019053292A1

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 2019053292 A1 20190321; BR 112020005366 A2 20201201; CA 3076300 A1 20190321; CN 111315553 A 20200619; EP 3684581 A1 20200729; IT 201700104124 A1 20190318; KR 20200065008 A 20200608; MX 2020003000 A 20200928; US 2020276740 A1 20200903

DOCDB simple family (application)

EP 2018075242 W 20180918; BR 112020005366 A 20180918; CA 3076300 A 20180918; CN 201880060445 A 20180918; EP 18768910 A 20180918; IT 201700104124 A 20170918; KR 20207011279 A 20180918; MX 2020003000 A 20180918; US 201816646346 A 20180918