

Title (en)

INJECTION UNIT, AND METHOD FOR THE ADJUSTMENT THEREOF

Title (de)

EINSPRITZEINHEIT SOWIE VERFAHREN FÜR DIE EINSTELLUNG DER EINSPRITZEINHEIT

Title (fr)

UNITE D'INJECTION ET PROCEDE POUR REGLER CETTE UNITE D'INJECTION

Publication

EP 1663605 A1 20060607 (DE)

Application

EP 04761877 A 20040823

Priority

- CH 2004000535 W 20040823
- CH 15402003 A 20030909

Abstract (en)

[origin: WO2005023507A1] The invention relates to a method and an injection unit which is movable on runners (6) of the frame (7) of an injection molding machine with the aid of a running gear (40) and comprises a drive unit (10, 23) for axially displacing and pressing the plasticizing cylinder (2) to the injection mold. According to the invention, the tip (16) of the plasticizing cylinder (16) is adjusted on both a vertical and a horizontal plane via a slight rotary movement of the entire injection unit (1) prior to the production of the concentric sealing connection to the injection port (17) of the mold is insufficient. The inventive injection unit (1) is supported via a support (5) that is disposed so as to be movable on the frame (7) of the injection-molded part while being provided with an individual drive unit (10, 23) via which the plasticizing cylinder (2) can be pressed to the injection mold so as to create a concentric sealing connection thereto.

IPC 1-7

B29C 45/07; **B29C 45/17**

IPC 8 full level

B29C 45/07 (2006.01); **B29C 45/17** (2006.01)

CPC (source: EP US)

B29C 45/07 (2013.01 - EP US); **B29C 45/1761** (2013.01 - EP US); **B29C 45/1777** (2013.01 - EP US); **B29C 45/1781** (2013.01 - EP US)

Citation (search report)

See references of WO 2005023507A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005023507 A1 20050317; CA 2551028 A1 20050317; CA 2551028 C 20100713; CN 1878647 A 20061213; EP 1663605 A1 20060607; US 2007087080 A1 20070419

DOCDB simple family (application)

CH 2004000535 W 20040823; CA 2551028 A 20040823; CN 200480032953 A 20040823; EP 04761877 A 20040823; US 57128604 A 20040823