

Title (en)

MULTI-COMPONENT INJECTION MOULDING MACHINE AND EXTRUDER UNIT TOGETHER WITH A RETAINING STRUCTURE FOR SUBSEQUENT RETROFITTING OF A SINGLE-COMPONENT INJECTION MOULDING MACHINE

Title (de)

MEHRKOMPONENTEN-SPRITZGIESSMASCHINE UND EXTRUDEREINHEIT SAMT HALTESTRUKTUR ZUM NACHTRÄGLICHEN AUFRÜSTEN EINER EINKOMPONENTEN-SPRITZGIESSMASCHINE

Title (fr)

MACHINE DE MOULAGE PAR INJECTION À PLUSIEURS ÉLÉMENTS ET UNITÉ D'EXTRUSION AVEC STRUCTURE DE RETENUE POUR LA MISE À NIVEAU ULTÉRIEURE D'UNE MACHINE DE MOULAGE PAR INJECTION À UN SEUL ÉLÉMENT

Publication

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Application

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Abstract (en)

[origin: WO2021130060A1] The invention relates to a multi-component injection moulding machine (1), comprising a machine bed, at least two mould mounting plates (2) that can be moved relative to one another by means of a closing unit, an injection unit (3) and an extruder unit (4). The injection unit (3) can be moved relative to the neighbouring mould mounting plate (2) and comprises a nozzle (7) having a nozzle head (8). The extruder unit (4) can be adjusted between a first position, in which a nozzle contact (19) of the extruder unit (4) rests on the nozzle head (8), and a second position releasing the injection unit (3) for possible contacting of the nozzle head (8) thereof on a tool mounted on the neighbouring mould mounting plate (2). In the first position, the extruder unit (4) and the injection unit (3) can be directly coupled to one another by means of a coupling device (30), wherein the extruder unit (4) comprises a coupling unit (17) which has at least one second clamping element (22) cooperating in a mechanically engaging manner with at least one first clamping element (11) provided on the injection unit (3) in such a way that the coupling device (30) provides a pressing force of the nozzle head (8) on the nozzle contact (19).

IPC 8 full level

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Citation (search report)

See references of WO 2021130060A1

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