

Title (en)

DEFLECTION DEVICE FOR DEFLECTING A MELT FLOW IN A BOTTOM POURING GROUP DURING BLOCK POURING, BOTTOM POURING GROUP, PRESSING TOOL AND PRODUCTION METHOD

Title (de)

UMLENKVORRICHTUNG ZUM UMLENKEN EINES SCHMELZSTROMES IN EINEM UNTERGUSSGESPANN BEIM BLOCKGIEßEN, UNTERGUSSGESPANN, PRESSWERKZEUG UND HERSTELLUNGSVERFAHREN

Title (fr)

DISPOSITIF DE DÉVIATION SERVANT À DÉVIER UN FLUX DE MATIÈRE FONDUE DANS UNE PLAQUE DE BASE DE COULÉE EN SOURCE LORS DE LA COULÉE DE BLOCS, PLAQUE DE BASE DE COULÉE EN SOURCE, OUTIL DE PRESSAGE ET PROCÉDÉ DE FABRICATION

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Application

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Abstract (en)

[origin: WO2019242807A1] The invention relates to a deflection device (1) for deflecting a melt stream in a bottom pouring group (100) during block pouring. The deflection device (1) comprises a basic body (2), which has a flow chamber (3), an inlet (4) into the flow chamber (3) and at least one outlet (5) out of the flow chamber (3). The flow chamber (3) for its part comprises a base surface (3.2), an inlet opening (6) opposite the base surface (3.2) and at least one outlet opening (7). The inlet opening (6) is bounded by a circumferential edge (15) and is fluidically connected to the inlet (4) by means of an inlet channel (8). Furthermore, the at least one outlet opening (7) is fluidically connected to the at least one outlet (5) by means of an outlet channel (9). In addition, the basic body (2) comprises a bounce chamber (10), which is fluidically connected to the flow chamber (3) by means of an access opening (12), wherein the access opening (12) faces the inlet opening (6) and has an opening surface (16) which is arranged transverse to a central axis (30) of the inlet channel (8) in the region of the inlet opening (6). According to the invention, at least one section of the edge (15) of the inlet opening (6) lies within the bounce chamber (10). The invention further comprises a bottom pouring group. The invention also comprises a pressing tool for producing a deflection device (1) and a corresponding production method.

IPC 8 full level

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