

Title (en)  
DEVICE FOR FILTERING A THERMOPLASTIC MELT

Title (de)  
VORRICHTUNG ZUM FILTRIEREN EINER THERMOPLASTISCHEN SCHMELZE

Title (fr)  
DISPOSITIF PERMETTANT DE FILTRER UNE MATIÈRE THERMOPLASTIQUE FONDUE

Publication  
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Application  
**EP 13712487 A 20130322**

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Abstract (en)  
[origin: WO2013152830A1] The invention relates to a device for filtering a thermoplastic melt, comprising a housing (1) having at least one fluid feed channel (2) and at least one fluid discharge channel (3) and having at least two bores (4, 5) which are in fluid communication with the fluid feed channel and the fluid discharge channel, respectively. In each of the bores a respective bolt (6, 7) is axially movable, radially rotatable and mounted in a fluid-tight manner, and each of the bolts is provided with a filter unit (8, 9) having an inflow side and an outflow side. The bolts can each be moved at least between a filtering position and a back-flushing position, and each of the bolts can be moved into a filling position in which via a respective clean fluid channel (12, 13) fluid flows from the outflow side of the respective filter unit to a storage space (14, 15) produced by the movement of the respective bolt in the respective bore. As the respective bore is moved into the back-flushing position the fluid again flows through the respective filter unit to the at least one back-flushing channel and out of the housing.

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See references of WO 2013152830A1

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