

Title (en)
MELT FILTER

Title (de)
SCHMELZEFILTER

Title (fr)
FILTRE POUR MATIÈRES FONDUES

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Application
EP 20726279 A 20200430

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Abstract (en)
[origin: WO2020232487A1] The invention relates to a melt filter (1) for the filtering of plastic melts comprising a screen rotor (3) which is arranged such that it can be rotationally driven between two housing plates (2), and which has a recesses (5) along a circular path (4) for receiving exchangeable filter elements (6), and comprising a melt channel (7) penetrating the housing plates (2) in the region of the circular path (4) and associated with the screen rotor (3). In order to create advantageous conditions, it is proposed that the screen rotor (3) comprises two axially spaced apart rotor sides (9), which are provided with opposing filter elements (6) through which the plastic melt can flow, and to which the melt channels (7) of the two housing plates feed out, wherein at least one collection chamber (10) for plastic melt filtered by the filter elements (6) is provided between opposing filter elements (6) in the screen rotor (3), and wherein a flow channel (11) feeding out of the screen rotor (2) is provided in the region of the rotor axis (8) to discharge filtered plastic melt out of the collection chamber (10).

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