

Title (en)
DEVICE FOR CLEANING VISCOUS MATERIAL

Title (de)
VORRICHTUNG ZUM REINIGEN VISKOSEN MATERIALS

Title (fr)
DISPOSITIF POUR NETTOYER DES MATIERES VISQUEUSES

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Application
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• EP 9800170 W 19980113

Abstract (en)
[origin: WO9831527A1] The invention relates to a cleaning device for removing solid impurities from viscous material, in particular molten plastics material, comprising, inside a housing (1), a filter band (5) for separating out solid impurities which can be moved in its longitudinal direction. The filter band (5) is wrapped around a curved supporting area (7) of a fixed supporting member (3) at an angle of wrap of preferably approximately 180 DEG , and is guided on both sides of the curved supporting area (7) in level supporting areas (15, 17) which lie tangentially and flush against the curved supporting area (7). To reduce the kinetic resistance of the filter band (5), the curved supporting area (7) and at least partly the level supporting areas (15, 17) are provided with grooves (25) extending in the direction of transport of the filter band (5). The plastics material to be cleaned is supplied via a feeding chamber (23) surrounding the supporting area, and, after it has been cleaned, is removed via connecting channels (27, 35) extending from the grooves (25). On the outlet side of the cleaning device the filter band (5) passes through a cleaning station (67). In this way the filter band can be reused. The proposed cleaning device is compact and allows for relatively large effective filtering surfaces.

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