

Title (en)  
SCREEN UNIT FOR VISCOUS MASS

Title (de)  
FILTER FÜR VISKOSE MASSEN

Title (fr)  
TAMIS DESTINE A UNE MASSE VISQUEUSE

Publication  
**EP 0977659 A1 20000209 (EN)**

Application  
**EP 98917792 A 19980422**

Priority  
• NL 9800224 W 19980422  
• NL 1005864 A 19970422

Abstract (en)  
[origin: WO9847688A1] During the processing of viscous masses, for example recycled molten plastic, it is important that impurities in the form of solid particles should be removed from the viscous mass. A screen unit with a substantially cylindrical hollow screen element (8) is used for this purpose. The viscous mass flows through the screen element in the radial direction. The screen element (8) can be cleaned by backflushing. The means for the backflushing comprise backflush channels (11) which can be placed in communication with an outflow channel (16) by way of a shut-off element (14) which can be opened. The means for backflushing further comprise a pressure element (17) which can be operated in order to flush back the viscous mass at a pressure which is higher than the pressure in the supply channel (2). The pressure element (17) interacts with the shut-off element (14) in order to discharge the solid particles screened off by the screen element.

IPC 1-7  
**B29C 47/68**; B01D 29/46; B01D 29/66

IPC 8 full level  
**B01D 29/15** (2006.01); **B29C 47/08** (2006.01); **B29C 47/68** (2006.01); **B29C 48/694** (2019.01); **B29C 48/04** (2019.01); **B29C 48/08** (2019.01)

CPC (source: EP)  
**B01D 29/15** (2013.01); **B01D 29/46** (2013.01); **B01D 29/665** (2013.01); **B01D 29/668** (2013.01); **B29C 48/694** (2019.01); **B29C 48/04** (2019.01); **B29C 48/08** (2019.01)

Citation (search report)  
See references of WO 9847688A1

Cited by  
US11419253B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**WO 9847688 A1 19981029**; AU 7085098 A 19981113; EP 0977659 A1 20000209; JP 2001521458 A 20011106; NL 1005864 C2 19981026

DOCDB simple family (application)  
**NL 9800224 W 19980422**; AU 7085098 A 19980422; EP 98917792 A 19980422; JP 54551898 A 19980422; NL 1005864 A 19970422