

Title (en)  
PURIFIER ASSEMBLY

Title (de)  
REINIGUNGSANORDNUNG

Title (fr)  
ENSEMBLE PURIFICATEUR

Publication  
**EP 2448656 A4 20150114 (EN)**

Application  
**EP 10793669 A 20100628**

Priority  
• FI 2010050555 W 20100628  
• FI 20095735 A 20090629

Abstract (en)  
[origin: WO2011001027A1] The invention relates to a purifier assembly used in the treatment of fluids. The invention also relates to a method for manufacturing and using such a purifier assembly. The purifier assembly comprises a perforated structure (4) arrangeable in an inlet pipe (2) and/or an outlet pipe (3) around which is installed at least one mesh structure (5) contained by an open channel, formed by a spiral-like flow channel which comprises at least two meshes in the flow channels between which and through the mesh structure the fluid (1, 7) is arranged to flow, and that at one end of the perforated structure (4) there are one or more blocking elements (6, 9) in order to control the flow of the fluid (1, 7) through the perforated structure (4) to the mesh structure (5) and/or vice versa.

IPC 8 full level  
**B01D 53/94** (2006.01); **B01J 35/04** (2006.01); **F01N 3/021** (2006.01); **F01N 3/022** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP)  
**B01D 53/9454** (2013.01); **F01N 3/0212** (2013.01); **F01N 3/0218** (2013.01); **F01N 3/022** (2013.01); **B01D 2255/1021** (2013.01); **B01D 2255/1023** (2013.01); **B01D 2255/1025** (2013.01); **B01D 2255/1026** (2013.01); **B01D 2255/1028** (2013.01); **B01D 2255/2042** (2013.01); **B01D 2255/206** (2013.01); **B01D 2255/20707** (2013.01); **B01D 2255/20715** (2013.01); **B01D 2255/2073** (2013.01); **B01D 2255/20746** (2013.01); **B01D 2255/20753** (2013.01); **B01D 2255/502** (2013.01); **B01D 2255/504** (2013.01); **B01D 2255/9202** (2013.01); **B01D 2255/9205** (2013.01); **F01N 2330/10** (2013.01); **F01N 2470/02** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)  
• [X] DE 4125686 A1 19930204 - OBERLAND MANGOLD GMBH [DE]  
• [X] EP 0334910 A1 19891004 - FRENZELIT WERKE GMBH & CO KG [DE], et al  
• [X] FR 2751559 A1 19980130 - SPRINT METAL SA [FR]  
• [A] WO 2004092553 A1 20041028 - ECOCAT OY [FI], et al  
• See references of WO 2011001027A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011001027 A1 20110106**; CN 203235421 U 20131016; EA 021434 B1 20150630; EA 201270064 A1 20120730; EP 2448656 A1 20120509; EP 2448656 A4 20150114; FI 20095735 A0 20090629

DOCDB simple family (application)  
**FI 2010050555 W 20100628**; CN 201090001071 U 20100628; EA 201270064 A 20100628; EP 10793669 A 20100628; FI 20095735 A 20090629