(11) **EP 1 862 105 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 15.05.2013 Bulletin 2013/20

(51) Int Cl.: **A47L 15/42** (2006.01)

D06F 39/00 (2006.01)

(43) Date of publication A2: **05.12.2007 Bulletin 2007/49**

(21) Application number: 07005989.4

(22) Date of filing: 23.03.2007

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated Extension States:

AL BA HR MK RS

(30) Priority: 30.05.2006 IT MI20060195 U

(71) Applicant: T & P - S.p.A. 21049 Tradate (Varese) (IT)

(72) Inventor: Ghinato, Renzo 21050 Bisuschio, Varese (IT)

(74) Representative: Petruzzelli, Antonio C.so Italia, No. 43 20122 Milano (IT)

(54) Tank for ion exchange resins

(57) Tank (1) for ion exchange resins of the type comprising a body (2) of the tank, channels for entry and exit of the feed water, a first entry filter (3) and a second exit filter (4) for retaining the resins upstream and downstream respectively of said body (2) of the tank (1), char-

acterised in that it also comprises a third guard filter (13) positioned upstream of the channel for exit of the feed water from the tank (1) made integrally with said tank (1), suitable for retaining the resin granules that may have exited the body (2) of the tank (1).

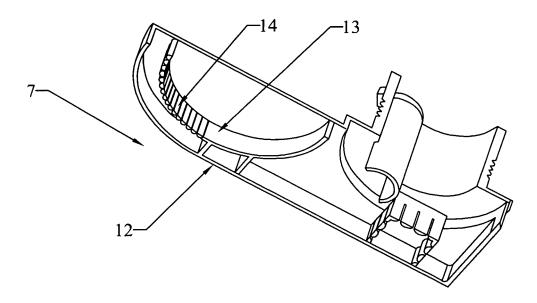


Fig. 2

EP 1 862 105 A3



EUROPEAN SEARCH REPORT

Application Number EP 07 00 5989

	DOCUMENTS CONSID							
Category	Citation of document with in of relevant pass:		oriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)			
Y	GB 1 414 873 A (EUF 19 November 1975 (1 * the whole documer)	1,2,7	INV. A47L15/42 D06F39/00				
Y	DE 10 2004 002963 A CO KG [DE]) 13 Janu * paragraphs [0001] claim 1 *	iary 2005 (200	5-01-13)	1,2,7				
Υ	EP 1 626 936 A1 (BI 22 February 2006 (2 * paragraph [0084];	2006-02-22)		2,7				
Y	EP 1 228 735 A2 (T 7 August 2002 (2002 * figures 1,5 *			2,7				
A	DE 44 22 709 A1 (SF 4 January 1996 (199 * figure 20 *			1	TECHNICAL FIELDS			
A	US 4 090 963 A (GRC 23 May 1978 (1978-6 * column 3, line 63 figure 1 *	line 2;	1,5	SEARCHED (IPC) D06F A47L				
E	US 2007/119770 A1 (31 May 2007 (2007-6) * paragraph [0055];	5-31)	JP] ET AL)	1				
	The present search report has	been drawn up for all cl	aims					
	Place of search	Date of comple	tion of the search		Examiner			
	Munich	4 Apri	1 2013	Ur	ılig, Robert			
X : parti Y : parti docu	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot unent of the same category	E her [L	: theory or principle : earlier patent docu after the filing date : document cited in : document cited for	ument, but pub the application other reason	olished on, or n s			
O: non	A : technological background O : non-written disclosure P : intermediate document			& : member of the same patent family, corresponding document				

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 07 00 5989

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-04-2013

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
GB 1414873	A	19-11-1975	DE ES FR GB YU	7326698 417130 2193782 1414873 198173	A1 A1 A	15-11-1973 16-03-1976 22-02-1974 19-11-1975 28-02-1978
DE 102004002963	A1	13-01-2005	NONE			
EP 1626936	A1	22-02-2006	AT EP WO	356782 1626936 2004101443	A1	15-04-2007 22-02-2006 25-11-2004
EP 1228735	A2	07-08-2002	AT EP ES IT	394986 1228735 2305143 T020010103	T A2 T3 A1	15-05-2008 07-08-2002 01-11-2008 05-08-2002
DE 4422709	A1	04-01-1996	NONE			
US 4090963	Α	23-05-1978	NONE			
US 2007119770	A1	31-05-2007	JP JP US	4613125 2007144347 2007119770	Ā	12-01-2013 14-06-2003 31-05-2003

FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82