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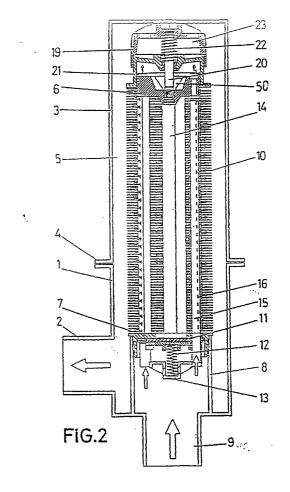
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IMPROVED SELF-CLEANING FILTER (54)

(57)Improved self-cleaning filter, comprised of a casing (1) with an entry (2) for water towards an encircling chamber (5), a filtering element based on a plurality of grooved disks (10), an axial passage (14) in the breast of these disks and an axial exit (9) for clean water. The filtering element (10) is completed in its lower end by a flap (11) that closes the axial passage (14) in the backward movement of water during cleaning, forcing it to go through side collectors (15) unaffected by the flap (11) and in which established are windows (16) for the exit of water, obliquely oriented in a side direction to make the disks (10) rotate during cleaning, also oblique in a vertical direction to take advantage of the separation between the disks (10) and distributed helically (15), the support tower (6) of these disks completed in a retractile rammer (21).



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INTERNATIONAL SEARCH REPORT

International application No. PCT/ES 98/00218

A. CLASSIFICATION OF SUBJECT			
IPC6 B01D29/68, 29/46			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
IPC6 B01D29/68, 29/46, 29/11, 29/15, 29/17, 29/70, 25/16			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, CIBEPAT, WPI, PAJ			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.		
Α	EP 347477 A1 (DRORI, MORDEKI) 27 December 1989 (27.12.89), column 17, lines 49 - column 18, lines 38; figures 3-6B.		1
A	US 4123356 A (SUGIMOTO ET AL.) 31 October 1978 (31.10.78), column 4, lines 16-37; figures		1,6
A	US 4552655 A (GRANOT) 12 November 1985 (12.11.85), column 3, lines 9-column 4, lines 43; figures		1,6
Α	US 4707259 A (DOUCET) 17 November 1987 (17.11.87), column 4, lines 24-column 5, lines 17; figures		1
Further documents are listed in the continuation of Box C. X See patent family annex.			
Special categories of cited documents: "T" later document published after the international filing date or			
	ment defining the general state of the art which is not consi- to be of particular relevance	priority date and not in conflict with cited to understand the principle or t	
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
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