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(54) **Adjustment screw for pop-up underground sprinkler nozzle**

(57) An adjustment screw (1) for pop-up underground sprinkler nozzle, comprises a head (2) and a threaded shank (3). On the top of the head (2) and at the opposite end of the threaded shank (3) there are provided axially lined up cavities (4, 5) that are engageable with a same setscrew wrench for the fixing and, respectively, the adjustment of the screw inside the nozzle (7).

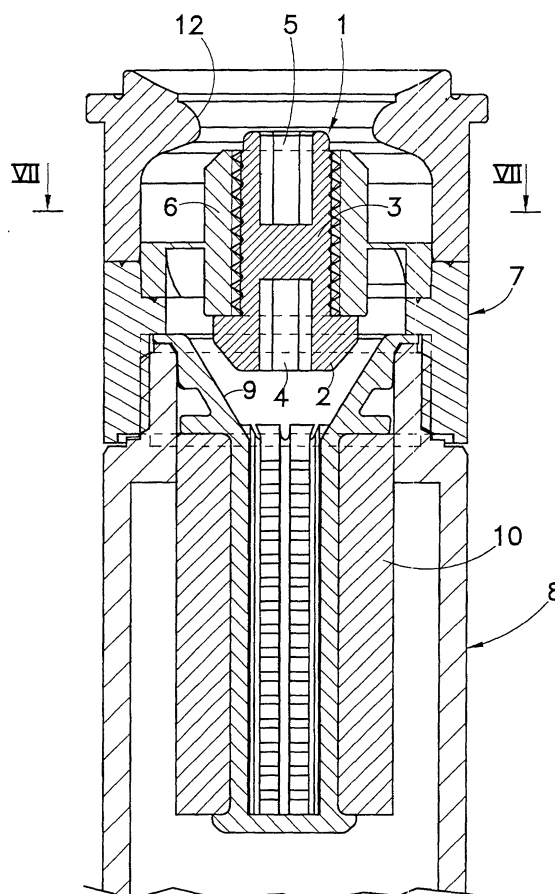


FIG.5

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EUROPEAN SEARCH REPORT

Application Number
EP 00 20 1226

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 801 051 A (BAKER ROBERT G ET AL) 31 January 1989 (1989-01-31) * column 2, line 41-47; figure 1 * ---	1-3	B05B15/10 B05B15/00 B05B1/30 B05B1/26
X	US 5 556 036 A (CHASE THOMAS G) 17 September 1996 (1996-09-17) * column 2, line 26-35; figure 2 * ---	1,3	
A	US 4 790 481 A (RAY CHARLES A ET AL) 13 December 1988 (1988-12-13) * column 2, line 56; figure 3 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B05B
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 June 2003	Examiner Eberwein, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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

EP 00 20 1226

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
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17-06-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4801051	A	31-01-1989	AU 576222 B2	18-08-1988
			AU 3974085 A	03-10-1985
			CA 1233631 A1	08-03-1988
			DE 3560298 D1	13-08-1987
			DE 158087 T1	27-02-1986
			EP 0158087 A1	16-10-1985
			JP 60215167 A	28-10-1985
			JP 8000620 U	12-04-1996

US 5556036	A	17-09-1996	NONE	

US 4790481	A	13-12-1988	NONE	
