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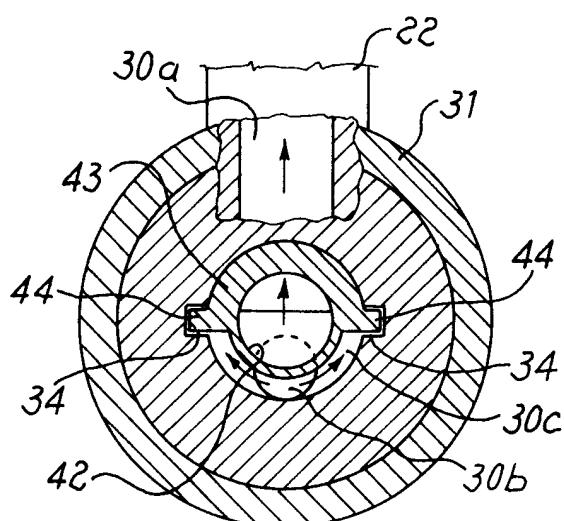
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(54) **Connector for fluid shut-off valves with rotatable internal deviating member for maintaining the direction of the delivery flow.**

(57) Connector for deviating fluids, in particular for shutoff valves (10) supplying radiating elements (20), comprising a body (30) which has, formed in it, at least one supply aperture (14), at least one delivery aperture (30a) and at least one aperture (30b) for return of the

fluid, the connector having, coaxially arranged inside it, a deviating member (40) capable of being rotated through 180° so as to cause channelling of the delivery flow of the fluid towards the associated aperture (30a), whatever the direction in which said flow is supplied from the valve (10).

Fig. 2



EP 0 862 026 A3



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
X	EP 0 441 761 A (BEAS INDKONSULT AB) 14 August 1991 (1991-08-14) * abstract *	1	F24H9/12						
A	WO 92 22774 A (BEAS INDKONSULT AB) 23 December 1992 (1992-12-23) * abstract *	1							
A	FR 2 610 090 A (STRAMAX AG) 29 July 1988 (1988-07-29) * page 8, line 33 - page 9, line 3; figures *	1							
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)						
			F24H						
<p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>THE HAGUE</td> <td>23 February 2000</td> <td>Van Gestel, H</td> </tr> </table> <p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>				Place of search	Date of completion of the search	Examiner	THE HAGUE	23 February 2000	Van Gestel, H
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THE HAGUE	23 February 2000	Van Gestel, H							

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

EP 98 20 0579

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.

23-02-2000

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0441761	A	14-08-1991		SE 463942 B DE 69101649 D SE 9000454 A		11-02-1991 19-05-1994 11-02-1991
WO 9222774	A	23-12-1992		SE 467069 B DE 9207418 U EP 0587674 A SE 9101777 A		18-05-1992 27-08-1992 23-03-1994 18-05-1992
FR 2610090	A	29-07-1988		CH 671282 A DE 8716282 U ES 2006272 A IT 213670 Z PT 7916 U		15-08-1989 11-02-1988 16-04-1989 22-01-1990 30-01-1989