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(54) **Deflector element for fluid deviation coupling for radiator element intercepting valves**

(57) Deflector element (1), comprising a first tubular portion (5) of predefined axis (X-X), forming a first stretch of pipe (6), said first tubular portion (5) comprising a first opening (9) for said first stretch of pipe set in a first end (7) and a back wall (10) set in a second end (8), said back wall comprising a second opening (11) for the pipe, also comprising a second tubular portion (12) forming a second stretch of pipe (13), comprising a third opening

(14) set level with said first end (7), said second tubular portion (12) connecting by sealing to said back wall (10) and forming a fourth opening (15), said second opening (11) and said fourth opening (15) being set so as to change position, when the deflector element (1) is rotated around its axis (X-X), said deflector element (1) comprising operating means (16; 17; 18) for said deflector element.

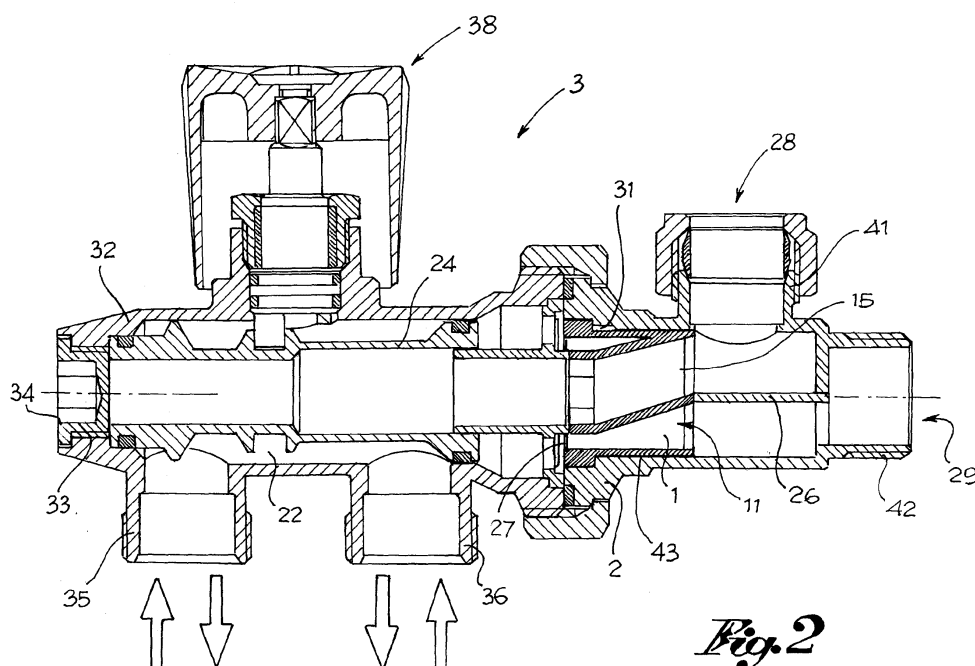


Fig. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 05 10 9653

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 445 555 A (FRACCHIA, STEFANO) 11 August 2004 (2004-08-11) * figure 1 *	1-19	INV. F24H9/12
A	EP 0 862 026 A (FRACCHIA, STEFANO) 2 September 1998 (1998-09-02) * figure 3 *	1-19	
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A	US 2004/104281 A1 (PIEST EGBERT) 3 June 2004 (2004-06-03) * figure 3 *	1-19	
			TECHNICAL FIELDS SEARCHED (IPC)
			F24H
<div>1</div> <div>The present search report has been drawn up for all claims</div>			
Place of search		Date of completion of the search	Examiner
Munich		24 January 2006	Dauvergne, B
<div>CATEGORY OF CITED DOCUMENTS</div> <div> 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 </div> <div> 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 </div>			

EPO FORM 1503 03.82 (P04C01)

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-19



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LACK OF UNITY OF INVENTION
SHEET B

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-19

Deflector element for fluid deviation couplings (claims 1-15) and Fluid deviation coupling with a deflector according to claim 1 (Claims 16-19).

2. claims: 20-24

Fluid single pipe valve that can be connected to a coupling according to claim 16.

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

EP 05 10 9653

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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24-01-2006

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