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(54) Title: PRESSURE COMPENSATING DEVICE

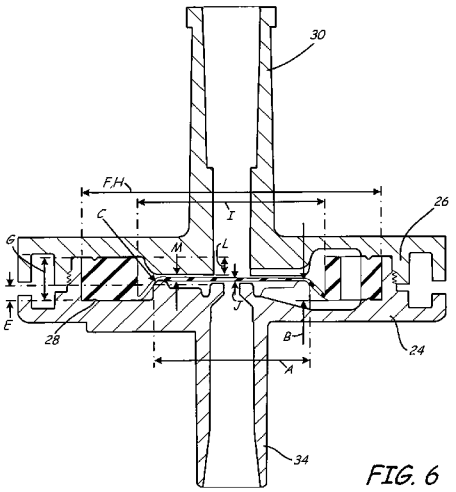

FIG. 6

(57) Abstract: A pressure compensating device includes a compensating disc located within an internal chamber of a housing. The compensating disc has a diaphragm over which fluid passes after entering the internal chamber. The diaphragm deflects in response to a pressure differential between fluid entering the internal chamber and fluid exiting the internal chamber to maintain the set flow rate of the fluid.

WO 2010/090708 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

A61M 5/142(2006.01)i, A61M 5/168(2006.01)i, A61M 39/10(2006.01)i

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)

A61M 5/142; A61M 5/00; G05D 7/01; A61M 37/00; B05B 15/00; A61M 1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7361165 B2 (SIMON MICHAEL G.) 22 April 2008 See col. 5 line 41 ~ col. 7, line 67; claims 1, 5, 9, 23; Figs.1-3, 5, 6.	1-20
A	US 5346477 A1 (EDWARDS; FLOYD V. et al.) 13 September 1994 See claims 1, 3; Fig.2.	1-20
A	US 5499968 A1 (MILIJASEVIC; ZORAN et al.) 19 March 1996 See the abstract; claims 1, 2, 9; Figs. 1-4.	1-20
A	US 5240035 A1 (ASLANIAN; JERRY L. et al.) 31 August 1993 See col.1, lines 5-13; col.4, lines 26-37; col.6, lines 12-39; claims 1, 9, 10, 13; Figs. 1, 6.	1-20
A	US 5413282 A1 (BOSWELL; MICHAEL J.) 09 May 1995 See claims 1, 2, 5, 6, 9; Figs.2, 5, 6.	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		US 2008-0154216 A1	26.06.2008
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		US 5356376 A1	18.10.1994
		WO 91-13641 A1	19.09.1991
US 5240035 A1	31.08.1993	None	
US 5413282 A1	09.05.1995	None	