



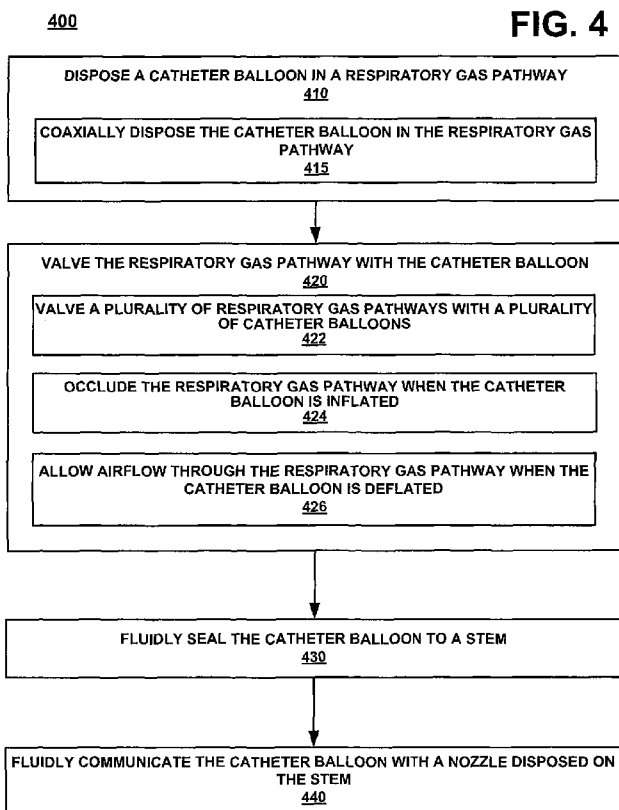
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[Continued on next page]

(54) Title: VALVING A RESPIRATORY GAS PATHWAY WITH A CATHETER BALLOON



(57) Abstract: A respiratory valve device includes a catheter balloon configured for being disposed in a respiratory gas pathway and valving the respiratory gas pathway.

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OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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A. CLASSIFICATION OF SUBJECT MATTER*A61M 16/20(2006.01)i, A61M 25/10(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 16/20; A61M 25/00; A61M 16/00

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) & Keywords: catheter, balloon, valve, respiratory, gas pathway

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 05720709 A (SCHNALL) 24 February 1998	1-3
Y	See the abstract; claims 1 and 11; column 4, line 60 - column 5, line 3; and figs. 1 and 5.	10-18
A		4-9, 19-20
Y	US 05261397 A (GRUNSTEIN) 16 November 1993	10-18
	See the abstract; claim 1; column 4, lines 27-32; column 5, lines 41-57; and fig. 1.	
A	US 6427692 B1 (HOGLUND) 06 August 2002	1-20
	See the abstract; claim 8; column 4, lines 31-34 and 50-63; and fig. 2.	
A	US 04020849 A (JACKSON) 03 May 1977	1-20
	See the abstract; column 2, lines 38-40; column 3, lines 39-44; and fig. 1.	

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"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 being obvious to a person skilled in the art

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 05720709 A	24.02.1998	US 05720709 A	24.02.1998
US 05261397 A	16.11.1993	WO 92-20393 A1	26.11.1992
US 6427692 B1	06.08.2002	DE 69935642 D1	10.05.2007
		DE 69935642 T2	06.12.2007
		EP 0990448 A2	05.04.2000
		EP 0990448 A3	15.11.2000
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		EP 0990448 B9	07.11.2007
		JP 2000-060974 A	29.02.2000
US 04020849 A	03.05.1977	None	