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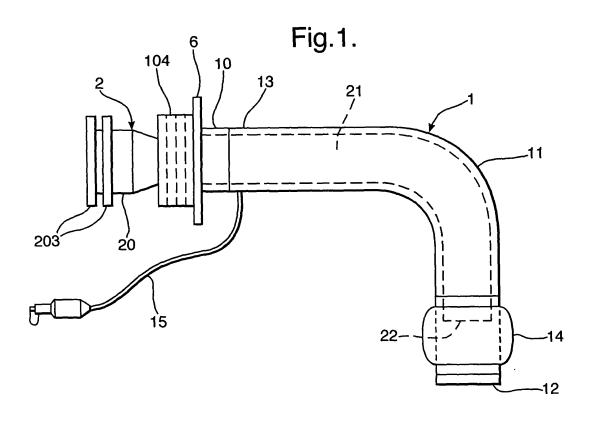
# (11) **EP 1 938 857 A3**

**EUROPEAN PATENT APPLICATION** (12)(88) Date of publication A3: (51) Int Cl.: A61M 16/08 (2006.01) 06.05.2009 Bulletin 2009/19 (43) Date of publication A2: 02.07.2008 Bulletin 2008/27 (21) Application number: 07254762.3 (22) Date of filing: 08.12.2007 (84) Designated Contracting States: (71) Applicant: Smiths Group plc AT BE BG CH CY CZ DE DK EE ES FI FR GB GR London, NW11 8DS (GB) HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR (72) Inventor: Neame, Simon Broadstairs, Kent CT10 3DF (GB) **Designated Extension States:** AL BA HR MK RS (74) Representative: Flint, Jonathan McNeill et al (30) Priority: 21.12.2006 GB 0625575 765 Finchley Road London NW11 8DS (GB)

## (54) Medical tube assemblies

(57) A tracheostomy tube assembly comprises an outer tube 1 and an inner cannula 2. The machine end fitting 10 of the outer tube 1 has a bore 105 of circular section interrupted by two flats 106 and 107. The machine end fitting 20 of the inner cannula 2 has an external surface 204 shaped to fit within the fitting 10 on the outer

tube 1 and also has two flats 207 and 208 aligned with the flats 106 and 107 on the outer tube fitting. Tubes of different sizes or other characteristics have flats with different orientations such that only inner cannulae suited for a particular outer tube can be inserted in the correct tube.





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#### PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 63 of the European Patent Convention EP 07 25 4762 shall be considered, for the purposes of subsequent proceedings, as the European search report

Category	Citation of document with inc of relevant passa		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
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K	US 3 688 774 A (AKI) 5 September 1972 (19 * column 3, line 1 - * figures 1-3 *		1,4		
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not compl be carried		pplication, or one or more of its claims, does/ meaningful search into the state of the art ca , for these claims.			
Claims se	arched incompletely :				
Claims no	ot searched :				
	or the limitation of the search: sheet C				
	Place of search	Date of completion of the search		Examiner	
	The Hague	25 March 2009	Sch	laug, Martin	
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	-written disclosure rmediate document	& : member of the sa	& : member of the same patent family, corresponding document		



## PARTIAL EUROPEAN SEARCH REPORT

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			TECHNICAL FIELDS
			SEARCHED (IPC)



## INCOMPLETE SEARCH SHEET C

Application Number EP 07 25 4762

Claim(s) searched completely: 1-7 Claim(s) not searched:

8,9

Reason for the limitation of the search (non-patentable invention(s)):

The independent claim 8 together with its dependent claim 9 do not meet the requirements of Article 53(c) EPC, because removing and inserting the inner cannula of a tracheostomy system into the corresponding outer tube located in a patient refers to a method of medical treatment of the human being.

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

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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.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82