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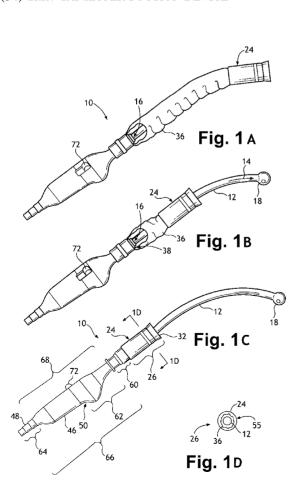
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(54) Title: YANKAUER SUCTION DEVICE



(57) Abstract: A suction device includes an elongated suction tube having a suction tip at a distal end thereof, and a proximal end that is connectable to a suction source. A collar is slidable along the suction tube from a retracted position to a deployed position. A sleeve is provided having a proximal end fixed relative to the proximal end of the suction tube, and a distal end configured with the collar so as to move therewith and cover the suction tube in the deployed position of the collar. An ergonomic handle member is provided for connecting the suction tube to a suction source. An optional wiper seal is contained within collar in sliding frictional engagement around the suction tube.

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Documentat	ion searched other than minimum documentation to the extent that se	uch documents are included in the fields sea	rched					
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Electronic da	ata base consulted during the international search (name of data bas	se and, where practical, search terms used)						
EPO-In	ternal, WPI Data							
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category*	Citation of document, with indication, where appropriate, of the rele	evani passages	Relevant to claim No					
			<u> </u>					
Υ	US 6 500 142 B1 (HARRELD DONALD R	[US] ET	1-5,7-11					
	AL) 31 December 2002 (2002-12-31)		,					
•	cited in the application		10 10					
Α	figures 1-4	,	12-18					
	column 2, line 42 - column 3, lin	e 11						
	column 3, lines 33-48,54-58							
γ	US 6 129 547 A (CISE DAVID [US] E	T AL)	1-5,7-11					
	10 October 2000 (2000-10-10)	.i AL)	1-5,7-11					
	cited in the application							
	figure 1							
	column 4, lines 35-67 column 5, lines 41-53							
		·/	l .					
X Furth	her documents are listed in the continuation of Box C.	X See patent family annex.	· ·					
• Special c	ategories of cited documents :	*T* later decument published after the lines	national filling data					
"A" docume	ent defining the general state of the art which is not	"T" later document published after the inter or priority date and not in conflict with t cited to understand the principle or the	he application but					
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"E" earlier document out published on or after the international filling date "L" document which may throw doubts on priority claim(s) or "L" document which may throw doubts on priority claim(s) or "X* document of particular relevance; the claimed inventible cannot be considered invelve an inventive step when the document is take			pe considered to					
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	ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an involve document is combined with one or more ments, such combination being obvious	e other such docu-					
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		*&" document member of the same patent for						
Date of the	actual completion of the international search	Date of mailing of the international seam	эл төрөц					
1	5 May 2008	04/06/2008						
Name and n	nailing address of the ISA/	Authorized officer						
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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2007/054946

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	tion). DOCUMENTS CONSIDERED TO BE RELEVANT			
Calegory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US 6 588 427 B1 (CARLSEN WAYNE D [US] ET AL) 8 July 2003 (2003-07-08) figures 1-7 column 5, lines 54-60 column 7, lines 44-58 column 8, lines 4-20	1,12		
<i>P</i>	US 4 810 194 A (SNEDDEN JOHN E [US]) 7 March 1989 (1989-03-07) figures 1-4 column 2, line 44 - column 3, line 40	1,12		
		:		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IB2007/054946

Patent document cited in search report	Publication datë	Patent family member(s)	Publication date
US 6500142 B1	31-12-2002	NONE	· · · · · · · · · · · · · · · · · · ·
US 6129547 A	10-10-2000	US 6632091 B1	14-10-2003
US 6588427 <u>B</u> 1	08-07-2003	AT 382389 T AU 2003205334 A1 BR PI0307203 A CA 2468621 A1 DE 60318400 T2 EP 1478424 A2 ES 2295552 T3 JP 2006507019 T MX PA04008242 A WO 03072175 A2	15-01-2008 09-09-2003 06-03-2007 04-09-2003 08-05-2008 24-11-2004 16-04-2008 02-03-2006 10-11-2004 04-09-2003
US 4810194 A	07-03-1989	NONE	