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(54) Title: A COVER FOR A TOOTHBRUSH

(57) Abstract: A cover for a toothbrush includes a first portion defining a first chamber and a second portion defining a second chamber, the first and second portions are joined so that the first and second portions may be moved relative to one another to expose the second chamber. A toothbrush may be partially or wholly disposed within the second chamber and a roll of dental floss may be disposed within the first chamber. The first and/or second portions may include one or more ventilation holes.

INTERNATIONAL SEARCH REPORT

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A. CLASS	FICATION OF SUBJECT MATTER A46B17/04		
According t	o International Patent Classification (IPC) or to both national class	ilication and IPC	
	SEARCHED commentation searched (classification system followed by classification system followed by classif	cation symbols)	
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Documenta	tion searched other than minimum documentation to the extent th	at such documents are included in the	e fields searched
Electronic o	data base consulted during the international search (name of data	base and, where practical, search ter	rms used)
EPO-In			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
Х	US 1 849 769 A (PRIEST HARRY R) 15 March 1932 (1932–03–15) the whole document		1,2,4, 12,14
X	US 5 415 187 A (HENEVELD ET AL) 16 May 1995 (1995-05-16) column 4, lines 4-33 column 5, lines 5-10 column 5, lines 36-39; figures		1,4,5
A	US 5 779 046 A (PLAKOS ET AL) 14 July 1998 (1998-07-14) figure 2		3,6,7, 10,11,15
Α	US 3 890 986 A (GERLICH ET AL) 24 June 1975 (1975-06-24) column 2, lines 8-11; figures 1	,3,5	6
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X Fun	ther documents are listed in the continuation of Box C.	X See patent family annex.	
"A" docum consk "E" earlier filing v "L" docum which citatic "O" docum other "P" docum later t	ent delining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) enter referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but than the priority date claimed	"Y" document of particular relevar cannot be considered to invo document is combined with o	nflict with the application but iple or theory underlying the nore; the claimed invention or cannot be considered to enthe document is taken alone noe; the claimed invention live an inventive step when the one or more other such docuring obvious to a person skilled ne patent family
	5 February 2006	14/02/2006	
Name and	mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer	
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C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
_Category*	Citation of document,-with-indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	US 6 129 090 A (PILLAR ET AL) 10 October 2000 (2000-10-10) figures 1,2	8
A	GB 462 879 A (ABEL LHOSPIED) 17 March 1937 (1937-03-17) figure 1	13
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INTERNATIONAL SEARCH REPORT

Information on patent family members

l application No PCT/US2005/017362

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
US 1849769	Α	15-03-1932	NONE			
US 5415187	Α	16-05-1995	NONE			
US 5779046	Α	14-07-1998	NONE			
US 3890986	Α	24-06-1975	NONE			
US 6129090	Α	10-10-2000	NONE			
GB 462879	Α	17-03-1937	FR	807223 A	07-01-1937	

Form PCT/ISA/210 (patent family annex) (April 2005)