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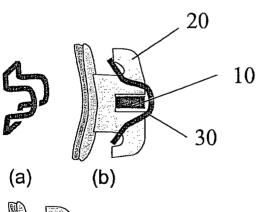
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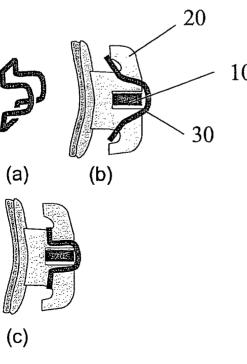
with international search report

[Continued on next page]

(54) Title: SHAPE MEMORY POLYMER ORTHODONTIC APPLIANCES, AND METHODS OF MAKING AND USING THE SAME



(57) Abstract: Described are fixed and removable orthodontic appliances and components thereof fabricated from shape memory polymer compositions. The preparation and use of such appliances are also disclosed.



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



International application No
PCT/US2005/045073

a. classi INV.	FICATION OF SUBJECT COSL5/00	MATTER CO8L101/00	A61C7/00	A61F2/00	A61L27/00						
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According to	International Patent Clas	ssification (IPC) or to both	national classification	and IPC							
B. FIELDS	SEARCHED										
Minimum documentation searched (classification system followed by classification symbols) C08L A61C A61F A61L F03G											
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched											
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)											
EPO-Internal, WPI Data, PAJ											
C. DOCUM	ENTS CONSIDERED TO	BE RELEVANT									
Category*		vith indication, where appro	opriate, of the releva	nt passages	Relevant to claim No.						
X	17 June 20	.6641 A1 (MATHE	7)		1-16,20						
Furt	her documents are listed	in the continuation of Box	C.	X See patent family annex	Χ.						
* Special o	ategories of cited docume	ents:	"Т	later document published aft	er the international filing date						
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European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016				Kiebooms, R							

International application No. PCT/US2005/045073

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)								
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:								
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:								
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:								
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).								
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)								
This International Searching Authority found multiple inventions in this international application, as follows:								
see additional sheet								
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.								
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.								
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:								
A. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-16, 20								
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.								

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

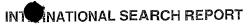
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16,20

An orthodontic appliance or a component thereof, ... wherein the orthodontic appliance is not a removable aligner appliance.

2. claims: 17-19,21

An orthodontic appliance wherein the appliance is a removable aligner appliance



Information on patent family members

International application No PCT/US2005/045073

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
	A1	17-06-2004	US	2005245719 A1	03-11-2005
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