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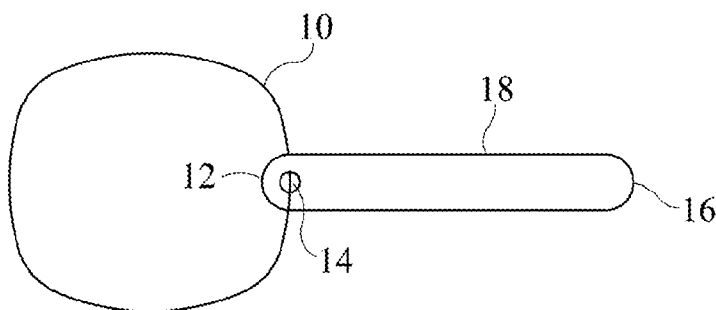


FIG. 1

(57) Abstract: Devices and methods are provided for maintaining space to treat a periodontal defect adjacent to a tooth, the devices and methods comprise a supporting structure comprising a pin, or suture or mesh having a body configured to extend over the periodontal defect and hold gingival tissue above the defect, the supporting structure having a first end configured to retain the supporting structure against at least a portion of the tooth and a second end configured to be attached or implanted in or on at least a portion of bone adjacent to the periodontal defect. The devices and methods provided maintain space between at least gingival tissue and the periodontal ligament and avoid compression of any bone replacement material in the defect. In some embodiments, the devices and methods provided can be removed from the healed periodontal defect without the need to cut into healed soft tissue.



A. CLASSIFICATION OF SUBJECT MATTER*A61C 5/02(2006.01)i, A61C 19/00(2006.01)i, A61C 13/107(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)

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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

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: periodontal, defect, space maintenance, support, gingival tissue, retain

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 05171148A A (WASSERMAN; DAVID et al.) 15 December 1992 See abstract, figures 1, 4.	1-20
A	US 06155831A A (MCGUIRE; MICHAEL K.) 05 December 2000 See abstract, claims 1-4, figures 1-8.	1-20
A	US 05197882A A (JERNBERG; GARY R.) 30 March 1993 See abstract, claim 1, figures 1, 3.	1-20
A	US 2002-0146664 A1 (MURGESH J. LOYNES) 10 October 2002 See abstract, claims 1-12, figures 2a-2d.	1-20



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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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