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## Patent Search

Invention Title	DENTAL DEVICE AND METHOD FOR ANALYSING OCCLUSAL RELATIONSHIPS
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### Abstract:

DENTAL DEVICE AND METHOD FOR ANALYSING OCCLUSAL RELATIONSHIPS ABSTRACT A dental device (100) for analysing occlusal relationships is disclosed. The dental device (100) is adapted to check an occlusal plane of a patient using an occlusal surface structure (102). The dental device (100) is further adapted to measure a facial midline of a patient using a vertical pin structure (110). The vertical pin structure (110) comprises of threads (206) that is screwed in the pin receiving slot (108) of the dental device enabling an attachment of the vertical pin structure (110) with the occlusal surface structure (102). Claims: 10, Figures: 6 Figure 1A is selected.

### Complete Specification

Description:BACKGROUND

Field of Invention

[001] Embodiments of the present invention generally relate to a dental device and particularly to a dental device for analyzing occlusal relationships.

Description of Related Art

[002] Maintaining good dental health is a vital component of overall well-being. In certain circumstances, it may become necessary to restore an entire dental structure or obtain precise measurements of the dental structure for prosthetic applications during facial surgeries. There are numerous accidental situations where an entire dental structure has to be recovered, or in cases of facial surgery, exact measurements of the dental structure are carried out for the application of a prosthesis. These measurements are required to be tad-level precise as an error in measurements could lead to the imperfect casting of prosthetics, further leading to ill-orientation of dental structure and discomfort of dental health.

[003] Currently, there are several tools such as a fox plane used for measurement of the occlusal plane in the dental structure. Moreover, the fox plane is only deemed appropriate for the measurement of an occlusal plane that is upper teeth level. However, in several cases of surgery, there is a requirement of measuring the facial midline to construct more precise prosthetics. The fox plane is not capable of measuring the facial midline of a patient. Additionally, devices such as a face bow transfer are expensive, making their use limited.

[004] There is thus a need for an improved and advanced dental device for analyzing occlusal relationships that can administer the aforementioned limitations in a more efficient manner.

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