

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202541083636 A

(19) INDIA

(22) Date of filing of Application :03/09/2025

(43) Publication Date : 19/09/2025

(54) Title of the invention : Sangsun Prostho Device: Customizable Occlusal Plane Analyzer

(51) International classification :A61C19/04, A61C19/05,
A61C19/045
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)JSS Academy of Higher Education & Research
Address of Applicant :Sri Shivarathreeshwara Nagara, Mysuru Karnataka -
570015 Mysuru -----
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Sunila Bukanakere Sangappa
Address of Applicant :Sri Shivarathreeshwara Nagara, Mysuru Karnataka - 570015
Mysuru -----

(57) Abstract :
ABSTRACT SANGSUN PROSTHO DEVICE: CUSTOMIZABLE OCCLUSAL PLANE ANALYZER The present invention relates to an occlusal plane analyzer device for establishing accurate occlusal planes during complete denture fabrication in edentulous patients. The device comprises an anterior reference frame with curved bifurcated extensions for supporting maxillary occlusal rims, aligned with the interpupillary line, and bilateral posterior reference arms configured to align with the ala-tragal line. A centrally positioned horizontal bubble gauge integrated within the anterior frame ensures facial midline orientation and parallelism verification. The device features graduated vertical posts with calibrated markings for precise height adjustment and locking mechanisms for securing predetermined positions. The rigid construction eliminates operator-dependent variability associated with traditional thread methods and Fox planes, providing objective, reproducible occlusal plane determination. The sterilizable device weighs less than 600 grams and is constructed from autoclavable materials suitable for clinical and educational applications in prosthodontics. Fig. 1

No. of Pages : 35 No. of Claims : 8