(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/06/2022

(21) Application No.202241032961 A
(43) Publication Date : 17/06/2022

(54) Title of the invention : MICROSCOPIC PHOTO-QUILTING

(51) International classification :G02B0021360000, G09B0005060000, G06T0007000000, H04N0019170000, G16H0030200000
(86) International Application No :PCT//
Filing Date :01/01/1900
(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)Tanurag Pattnaik
Address of Applicant :Department of Oral Pathology & Microbiology (P.G.), KLE V.K. Institute of Dental Sciences, KLE Academy of Higher Education and Research, Nehru Nagar, JNMC Campus, Belagavi – 590010, Karnataka, INDIA ---------- ----------
2)Dr. Shweta Kumbhojkar
3)Dr. Punnya Angadi
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Tanurag Pattnaik
Address of Applicant :Department of Oral Pathology & Microbiology (P.G.), KLE V.K. Institute of Dental Sciences, KLE Academy of Higher Education and Research, Nehru Nagar, JNMC Campus, Belagavi – 590010, Karnataka, INDIA ---------- ----------
2)Dr. Shweta Kumbhojkar
Address of Applicant :Department of Oral Pathology and Microbiology, KLE VK Institute of Dental Sciences and Hospital, KLE Academy of Higher Education and Research, Nehru Nagar, Belagavi- 590010 ---------- ----------
3)Dr. Punnya Angadi
Address of Applicant :Department of Oral Pathology and Microbiology, KLE VK Institute of Dental Sciences and Hospital, KLE Academy of Higher Education and Research, Nehru Nagar, Belagavi- 590010 ---------- ----------

(57) Abstract :
The present technique relates to the development of an economical, creative and easy to follow steps to create a virtual slide. This technique serves as a base to create a virtual platform which can be used as a teaching tool as it provides an interactive environment for the students to inculcate a deeper learning of the subject and also indulgement in active discussions amongst fellow students. This technique can be employed for storing slides permanently as the need for re-staining and storage is completely eliminated as a virtual image of the slide is created by the user. This technique can also be employed for faster and convenient second opinion consultations as the images can be compressed without altering the quality of the original image and can be accessed from anywhere using a multimedia device. As the technique serves as an economical and effective alternative to whole slide scanners it can also enable private practitioners to actively contribute to the ever-growing scientific knowledge. The importance of pathology in determining the course of the treatment and its subsequent usefulness in also predicting the clinical outcome is the gold standard of modern medicine practice. The inculcation of these principles and practices into young doctors can result in a scientific basis of understanding as it eliminates complete observer bias. The pathology can be visually appreciated along-with the subtle changes that occur at the microscopic level can be clearly appreciated. Microscopic photo-quilting can help revive the interests of the students toward the subject of oral pathology and will aim to create an environment for active and creative learning.

No. of Pages : 39 No. of Claims : 9