

(54) Title of the invention : NON-INVASIVE DIAGNOSTIC SYSTEM BASED ON ILLUMINATION FOR EARLY-STAGE ORAL CANCER SCREENING AND HIGH-RISK PRECANCEROUS LESIONS

<p>(51) International classification :F21Y0115100000, H01L0027146000, G09G0003320000, G09F0009330000, A61K0009000000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Brainware University Address of Applicant :398, Ramkrishnapur Rd, Near Jagadighata Market, Barasat, Kolkata, West Bengal 700125 ----- -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Vertika Rai Address of Applicant :Assistant Professor, Allied Health Sciences, Brainware University, 398, Ramkrishnapur Rd, Near Jagadighata Market, Barasat, Kolkata, West Bengal, 700125 ----- -----</p> <p>2)Mr. Jyotirishwar Kumar Address of Applicant :Assistant Registrar Academic, Brainware University, 398, Ramkrishnapur Rd, Near Jagadighata Market, Barasat, Kolkata, West Bengal, 700125 ----- -----</p> <p>3)Mr.Mithun Maity Address of Applicant :Assistant Professor, Allied Health Sciences, Brainware University, 398, Ramkrishnapur Rd, Near Jagadighata Market, Barasat, Kolkata, West Bengal, 700125 ----- -----</p>
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(57) Abstract :

The present invention relates to a non-invasive diagnostic system based on light for detecting early-stage oral cancer and high-risk precancerous lesions. The present invention comprises but not limited to, an LED, a display panel and an android app. The lens is placed firmly against the oral mucosa which will allow the 10 harmless LED lights (Red) to intensify giving you a translucent view of your oral mucosa. There are 3 symbols on the display which are LED type (Red), brightness intensity indicator, battery life indicator. An android app helps in the identification of the problem, as well as in consulting and arranging an appointment. Accompanied Drawing [FIG. 1]

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