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INTELLECTUAL PROPERTY INDIA
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GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	201921040677
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DATE OF FILING	09/10/2019
APPLICANT NAME	**1 . Dr. Ratnaprabha Jeshiram Rudey** **2 . Dr. Anil Narayanrao Korpenwar** **3 . DrSushama Umakant Borkar**
TITLE OF INVENTION	A HERBAL EYE DROP FOR OPHTHALMIC DISORDERS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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GEOGRAPHICAL INDICATIONS

Application Details	
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APPLICANT NAME	**1 . Dr. Anil Narayanrao Korpenwar** **2 . Dr. Sushama Umakant Borkar**
TITLE OF INVENTION	MULTIPURPOSE PAIN RELIEF OIL
FIELD OF INVENTION	BIOTECHNOLOGY
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(57) Abstract :
The present invention relates to a system for predicting degree of maturity of agriculture product via speckle contrast measurement. The proposed system uses a simple laser speckle based nondestructive technique to predict quality of seasonal fruit without human intervention. In this invention, speckle contrast is obtained from of the seasonal fruit to monitor their maturity with time. Thus it is found that only the speckle contrast parameter of speckle images which are obtained from variously matured fruits is enough to predict agriculture product™s maturity level and hence quality. Presented technique is rapid and requires modest image processing component and has a potential to extend it for other agriculture products also. It can be easily converted into a mobile based app with suitable changes. Following invention is described in detail with the help of Figure 1 of sheet 1 showing schematic diagram, Figure 2 of sheet 1 showing speckle patterns of Mango monitored over six days and Figure 3 of sheet 2 graph depict variation of speckle contrast values of a Mango with time.

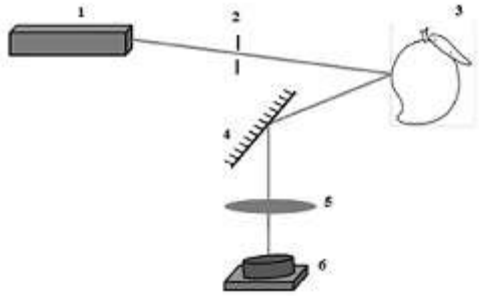

Figure 1

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