

(54) Title of the invention : SYSTEM AND METHOD FOR DETECTING QUALITY OF DRY FRUIT

(51) International classification :H04N0005225000, H05B0047125000, G06T0007900000, G02B0021120000, G01B0011060000

(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

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(57) Abstract :
 A system (100) for detecting quality of fruits includes a light source unit (102) configured to emit light on the fruit and at least one image acquisition unit (104) configured to acquire emitted light from the light source (102) and reflection of light from the fruit. Further, the system (100) includes an image processing unit (106) communicatively coupled to the least one image acquisition unit (104) to receive the acquired light. the image processing unit (104) is configured to convert the received light into an image based on color variations, texture details, and structural attributes. The system (100) includes a quality-detecting unit (108) in communication with the light source (102) and the image processing unit (106). The quality-detecting unit (108) is configured to display the quality chart on a user device (110).

No. of Pages : 22 No. of Claims : 10