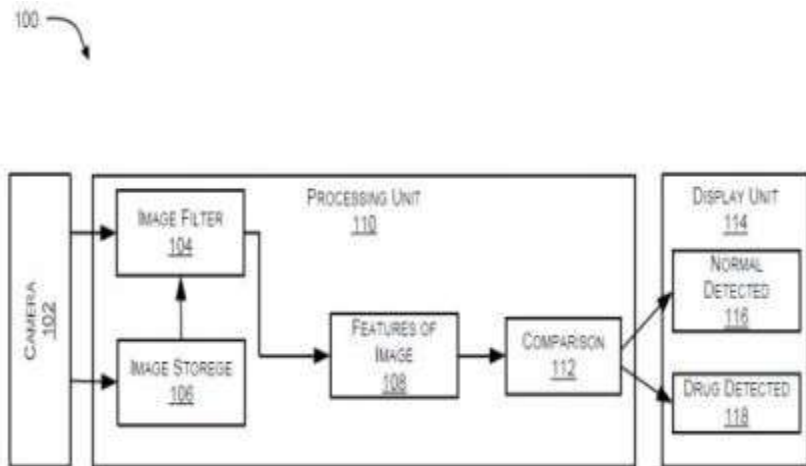


(54) Title of the invention : DRUG DETECTION DEVICE

(51) International classification	:A61B0005000000, G06K0009000000, G06T0007000000, A61B0003140000, G06K0009460000	(71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector -9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)GERA, Ashish
(33) Name of priority country	:NA	2)AHUJA, Sachin
(86) International Application No	:NA	3)SALUJA, Nitin
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	

(57) Abstract :

A drug detection device is disclosed. The device includes a camera for capturing one or more images of an eye, a processing unit operatively coupled with the camera. The processing unit comprising a processor coupled to a memory, the memory storing instructions executable by the processor to extract a set of ocular features from the captured one or more images, evaluate a weighted average of the extracted set of ocular features. Generate an identifier based on the weighted average of the extracted set of ocular features, and compare the generated identifier with a predefined threshold identifier, where the threshold identifier is the weighted average of the extracted set of ocular features associated with the eye. Based on the comparison when the identifier is more than or equal to the threshold identifier, the processing unit generates an alert signal.



No. of Pages : 17 No. of Claims : 9