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(57) Abstract :

AI BASED MOBILE DEVICE FOR OBJECT RECOGNITION The present invention relates to the field of an artificial-intelligence (AI) powered mobile device, and more specifically, to a mobile device incorporating an Artificial Intelligence (AI) enablement and a method of improving functionalities of the mobile device. The AI based mobile device for object recognition includes a set of sensors configured to generate output signals conveying information related to object, a storage unit configured to maintain raw image data including video having a sequence of frames, and annotations of the frames that indicate aspects of objects identified in the respective frames, a communication module for transmitting data detected by and received from the set of sensors and position data received from the positioning device via the network system, a global object detection module for detecting global objects within the received image, and a processing unit in communication with the storage, to extract edges from the processing area, and to judge whether each of the extracted edges belongs to the object based on characteristics of the object to be recognized. Dated this 17th day of October, 2022 POOJA AGENT FOR THE APPLICANT IN/PA/1838

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