Abstract

Container name extraction is very important to the modern container management system. Similar techniques have been suggested for vehicle license plate recognition in past decades. Container name extraction has more complexity from license plate extraction because of the severity of nonuniform illumination and invalidation of color information. The main purpose of this paper is to propose a new methodology for text extraction, segmenting text characters and removing non text, background from images. Existing text extraction methods do not work efficiently in case of images with noise and complex background. Documents with only text work efficiently in OCR. The approach used is based on edge detection, close operation, detecting connected components, removing non text regions and character segmentation.

References

Extracting and Segmenting Container Name from Container Images


Index Terms

Computer Science

Pattern Recognition

Keywords

Mathematical Morphology  Morphological Operators  Edge detection  Localization  Connected Component