

METHOD AND APPARATUS FOR ANALYZING IRON SCRAPs THROUGH IMAGE SEGMENTATION

ABSTRACT

A method and apparatus for analyzing iron scraps through image segmentation is provided. The method includes receiving, by a receiving circuit, a loaded state image from a camera when iron scraps are loaded onto a loading device, and, by a processor, determining a target region including the iron scraps in the loaded state image, simplifying the target region, converting the simplified target region into a rectangular region, determining first and second lengths representing lengths of two different sides of the rectangular region, the second length greater than the first length, determining a number of segmentations of the target region based on a quotient obtained by dividing the second length by the first length, segmenting the loaded state image based on the number of segmentations to generate a plurality of segmented images, and performing image analysis on the plurality of segmented images to provide analysis results of the iron scraps.

FIG. 2