

METHOD AND APPARATUS FOR CLASSIFYING IRON SCRAP THROUGH IMAGE ANALYSIS

ABSTRACT

Disclosed are a method of providing iron scrap classification information through image analysis, and an apparatus for classifying iron scrap and recording medium that performs the method. The method includes obtaining, by a receiving unit, a loaded state image captured in a state in which a plurality of iron scraps are loaded onto a loading device, obtaining, by a processor, segmented images including target iron scrap from the loaded state image using a segmentation model which performs segmentation on the target iron scrap, which is any one of the plurality of iron scraps, obtaining, by the processor, item information and grade information corresponding to the target iron scrap using a classification model which performs classification on the segmented images and performs analysis on the classified images in units of images, and providing, by the processor, iron scrap classification information including the item information and the grade information.

FIG. 2