

WASTE COMPOSITION ESTIMATION DEVICE, SYSTEM, PROGRAM, METHOD,
AND DATA STRUCTURE

ABSTRACT

A device for estimating composition of waste in a waste pit in which waste of various compositions is mixed, using a learning model is provided. A device comprises: a training data generation unit which generates training data associated with a captured image of waste stored in the waste pit; a model construction unit which constructs a model by performing learning using the training data; and an estimation unit which inputs, to the model, data of a new captured image of the waste stored in the waste pit, and obtains a value representing composition of the waste corresponding to the new image.

Fig. 3