

ABSTRACT OF THE DISCLOSURE

[Problem] To provide a high-precision diagnostic system that uses multi-item simultaneous measurement data, classifies known mutations and unknown mutations with high precision, analyzes and visualizes classified results, and then visually displays a basis for a conclusion.

[Solution] A high-precision determination system 1 comprises: an acquisition unit that acquires at least multi-item simultaneous measurement data for an unknown sample and multi-item simultaneous measurement data for a known sample; a classifying unit that analyzes and quantifies similarity between the acquired multi-item simultaneous measurement data for the unknown sample and multi-item simultaneous measurement data for the known sample, classifies an unknown sample having a different trend than a known sample, and generates classification data; a determination unit that performs dimensional compression of the generated classification data to generate a two-dimensional scatter plot as determination data; a storage unit that stores at least the unknown multi-item simultaneous measurement data, the known multi-item simultaneous measurement data, the classification data, and the determination data; and a provision unit that provides at least the stored various types of data.

Fig. 1 for publication