

ABSTRACT

A data integration device according to one embodiment includes a controller including a platform for automatically performing a type conversion of an object, an acquisition unit, an interpreter, and an integrator. The acquisition unit acquires each data as a graph in which an object of the platform is a constituent element, or as a collection of information in a language format in which an object is associated with a word. The interpreter performs an interpretation process for converting the constituent element of the graph into a type on a hyponymy-side. The integrator performs an integration process for holding information generated by the interpretation process and information acquired by the acquisition unit, and reflecting the information on the graph. The data integration device operates when the controller repeatedly and automatically performs the interpretation process and the integration process.

Fig. 17