

ABSTRACT

An arrangement planning apparatus includes a demand prediction unit which sequentially predicts an occurrence time point and an occurrence spot of demand for a moving resource along a time course, a first data conversion unit which analyzes each prediction result by the demand prediction unit based on a spatiotemporal division system, in which a size of an area where the moving resource is movable and a length of a time range in which the moving resource moves are defined, and converts each prediction result by the demand prediction unit into plural groups of first moving resource management data including the areas and the time ranges, a spatiotemporal division unit which extracts a specific group among combinations of the areas and the time ranges in the plural groups of first moving resource management data, changes the area and the time range which belong to the extracted specific group, and updates the spatiotemporal division system with this change, and a second data conversion unit which applies the spatiotemporal division system updated by the spatiotemporal division unit to each prediction result by the demand prediction unit and converts each prediction result by the demand prediction unit into plural groups of second moving resource management data including the areas and the time ranges.

FIG. 1