ABSTRACT

Aspects concern a distributed computing system for generating vector tiles of a selected map area including a memory unit configured to store map data and a task database, the map data including a representation of the selected map area with a first resolution and a first detail level and with a second resolution higher than the first resolution and a second detail level; two or more processing units, each of the two or more processing units configured to select a task included in the task database, to execute the selected task, and to provide data generated by the selected task to the memory unit for storage; wherein one of the two or more processing units is further configured to schedule the generation of vector tiles by determining tasks using a specific predefined directed acyclic task graph and to provide the determined task to the task database.

FIG. 1