

SYSTEM AND METHOD ENABLING ACCURATE CONTEXT-AWARE LOCATION-BASED SERVICES

ABSTRACT

5 A system enabling accurate context-aware location-based services comprises at least one
server computer storing a virtual world system configured to provide spatial data to a location-
based services engine (LBS engine) associated therewith. The LBS engine is configured to
obtain, from a processing device via a network, processed or semi-processed spatial data
associated with a corresponding plurality of client devices, wherein the received spatial data is
10 computed using data fusion algorithms by the processing device. The LBS engine is further
configured to assess the spatial data to determine a spatial relationship between the client device
and at least one target object stored in the virtual world system. If said spatial relationship
matches a certain threshold, the LBS engine generates one or more location-based services for
the plurality of client devices considering corresponding contextual data and sends the location-
based services to the plurality of client devices via the network.

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FIG. 1