

ABSTRACT

A server configured to determine a fee surge for an on-demand service may include processor(s) that may perform the following upon receiving a request for the service at a particular time: determine, from the request, a location where the service is required; determine, using a map from the memory, a supply area around the location; determine the fee surge based on the supply area, service provider data received at the most recent time instance nearest to the particular time the request is received and service provider data received at one or more time instances prior to the most recent time instance; communicate the fee surge to the respective requestor computing device and a provider computing device; and allocate the associated service provider to fulfil the request at the fee surge if both the service requestor and service provider accept the fee surge.

FIG. 3