

ABSTRACT

Aspects concern a server apparatus for allocating resources to service requests of a shared economy on-demand service, the server apparatus comprising a processor and a memory, the processor is configured to execute instructions stored in the memory to: receive a first service request, the first service request comprising a first data indicative of a good or service of the first service request; tentatively allocate a first available resource to the first service request; receive a second service request, the second service request comprising a second data indicative of a good or service of the second service request; tentatively allocate a second available resource to the second service request; obtain or estimate a first availability parameter of the first available resource, a first ready parameter of the first service request, a second availability parameter of the second available resource, and a second ready parameter of the second service request; and determine a final allocation of the first available resource and the second available resource based on the first availability parameter, the first ready parameter, the second availability parameter, and the second ready parameter.

FIG. 1