

ABSTRACT

A computer-implemented system for efficient distribution of orders based on system parameters is disclosed. The system may comprise a memory storing instructions; and at least one processor configured to execute the instructions. The instructions may comprise: aggregating one or more orders comprising one or more quantities of a plurality of items; assigning a subset of the items to a batch, wherein the items are assigned to one or more batches; determining one or more parameters of a transporting system for the batches; determining at least one of location or orientation of the items in the transporting system based on the parameters of the transporting system; and transmitting, to a user device for display, the parameters of the transporting system.