

MULTI LEVEL ROBOTICS AUTOMATION**ABSTRACT**

A method includes receiving a request to transport an item from a first location to a second location; selecting a bot for transporting the item from the first location to the second location; determining a first vertical level associated with an initial location of the selected bot and a second vertical level associated with a destination of the selected bot; determining whether the first vertical level associated is different than the second vertical level. The method further includes, in response to the determination that the first vertical level is different from the second vertical level, (a) selecting a transport device configured to transfer the selected bot from the first vertical level to the second vertical level in a vertical direction; and (b) outputting a control signal to the selected bot causing the selected bot to move to a first position associated with the selected transport device.

(FIG. 5)