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ABSTRACT

INWARD/OUTWARD DELIVERY DEVICE OF AUTOMATED WAREHOUSE

As an important feature of the invention, such force motivating a pair of struts 12 to incline themselves in the front-and-rear direction caused by impact stress at the moment of acceleration, deceleration, or halt of operating movement of a delivery device 10 can securely be received by a bottom frame structure 11 in addition to reinforcing structure by means of projected corner rod members 33 protruding themselves in the front-and-rear direction X from a cylindrical body 30. In addition, such force motivating the struts 12 to incline themselves in the right-and-left direction Y while inwardly or outwardly delivering load with any delivery instrument on a carriage 15 can also securely be received by the bottom frame structure 11 in addition to reinforcing structure by means of the projected corner rod members 33 protruding themselves in the right-and-left direction Y from the cylindrical body 30 of the strut unit 12.

The bottom frame structure 11 can solidly withstand such force motivating the struts 12 to incline themselves in the front-and-rear direction or in the right-and-left direction. Owing to this structural advantage, the struts 12 can firmly be erected on the bottom frame structure 11 without generating inclination in both the front-and-rear and right-and-left directions.

Figure 1 - is to accompany the abstract when published.



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