

Title (en)
ROBOT UNIT FOR TRANSPORTING LONG LOADS

Title (de)
ROBOTEREINHEIT FÜR DEN TRANSPORT VON LANGEN LASTEN

Title (fr)
UNITÉ ROBOTIQUE DE TRANSPORT DE CHARGES LONGUES

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Application
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Abstract (en)
[origin: WO2015128594A1] The invention relates to a load transporting mono-robot (10), comprising (i) a gantry (19) having two lateral uprights (11) that are connected at their upper ends by a cross beam (12), each of the lower ends being equipped with propulsion means linked to the upright (11) by a motorized pivot (18), and (ii) means for gripping a load that are positioned between the lateral uprights (11) linked to the cross beam (12) by a kinematic chain for positioning and orientation that is configured to allow the means for gripping a load to rotate about an axis substantially normal to the cross beam (12) and is located substantially in the plane defined by the gantry (19), and to allow the means for gripping a load to rotate about an axis substantially normal to the plane defined by the gantry (19). The invention also relates to a method for transporting a load that uses a plurality of mono-robots (10) and also to two methods for crossing obstacles, ensuring the stability of a poly-robot and its load.

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