

Title (en)

POD FOR A PARALLEL ROBOT FOR CONTROLLING AN OBJECT

Title (de)

GONDEL FÜR EINEN PARALLELEN ROBOTER ZUR STEUERUNG EINES OBJEKTES

Title (fr)

NACELLE POUR ROBOT PARALLÈLE DESTINÉ À AGIR SUR UN OBJET

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Application

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Abstract (en)

[origin: WO2015177154A1] The present invention relates to a pod (55) for a parallel robot, for controlling an object, including: at least two frames (80, 82) comprising at least two pairs of swivels (96, 98, 100, 102, 108, 110, 112, 114); at least two bridges (84, 86) that are connected to each of the frames respectively by four hinges (116, 118, 120, 122) which are substantially parallel to an axial direction (V) and define a parallelogram (ABCD) in a plane (P) perpendicular to the axial direction, the parallelogram being movable between a plurality of configurations in which the two sides (AD, BC) corresponding to the two frames are substantially parallel to an orientation direction (DI); and a base (88) which is mounted on the pod and is intended to be connected to an effector (60) which is suitable for controlling the object. The base is connected to each bridge respectively by at least one hinge (124, 126) which is oriented along a connection axis which is substantially parallel to the axial direction, the two connection axes of the base defining, in said plane, a segment (EF) which is parallel to the orientation direction in all the configurations of the parallelogram.

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