



ISTITUTO ITALIANO
DI TECNOLOGIA

TITLE

Sistema di movimentazione a cinematica parallela a tre gradi di libertà

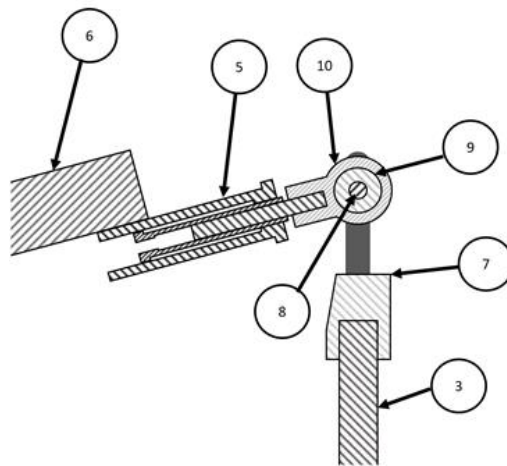
INVENTORS

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DESCRIPTION

The invention solves the technical problem of providing a structure with 3 degrees of freedom with parallel kinematics that at the same time is compact and possesses a very large workspace.

The device is represented by a new very compact parallel structure with 3 degrees of freedom formed by a base connected to a platform by means of three mechanisms. Each kinematic mechanism is composed of a linear actuator, a ball joint and a prismatic guide.



APPLICATIONS

Robotics

KEYWORDS

Ball joint, linear actuator, prismatic guide, compact, parallel kinematics

BIBLIOGRAPHIC DATA

Parallel kinematics moving system with three degrees of freedom

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