



ISTITUTO ITALIANO  
DI TECNOLOGIA

## TITLE

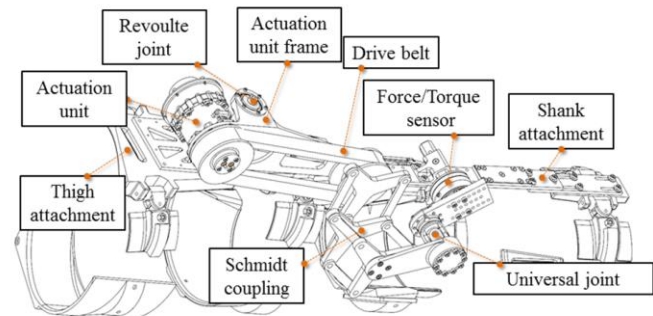
Esoscheletro Per Arti Inferiori

## INVENTORS

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## DESCRIPTION

The invention disclose a 6 Degrees-of-Freedom (DoF) self-aligning knee exoskeleton module with under-actuated kinematics, able to deliver a pure, assistive torque to the flexion/extension motion of the knee. The implemented kinematics with 1 active and 5 passive DoFs constitutes a self-aligning torque transmission mechanism, which addresses the problem of alignment between the exoskeleton joints and the human knee joint



## APPLICATIONS

Exoskeleton, wearable robotics, rehabilitation

## KEYWORDS

Robotics, knee assistive, power augmentation, self-aligning

## BIBLIOGRAPHIC DATA

Lower limbs exoskeleton

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