

Title (en)

ROBOTIC DEVICE AND METHOD OF USING A PARALLEL MECHANISM

Title (de)

ROBOTISCHE VORRICHTUNG UND VERFAHREN ZUR VERWENDUNG EINES PARALLELMECHANISMUS

Title (fr)

DISPOSITIF ROBOTIQUE ET PROCÉDÉ D'UTILISATION D'UN MÉCANISME PARALLÈLE

Publication

EP 3068348 A1 20160921 (EN)

Application

EP 14861817 A 20141023

Priority

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- US 2014061913 W 20141023

Abstract (en)

[origin: WO2015073182A1] A parallel kinematically redundant device includes a base body portion and a movable portion. The movable portion includes first, second, and third joints. A first actuator is coupled to the first joint of the movable portion and to the base body portion. A second actuator is coupled in parallel with the first actuator between the second joint of the movable portion and the base body portion. A linking member is rotationally coupled to the third joint of the movable portion to provide an output for the first and second actuators. A housing is coupled to the base body portion and fits onto a user. A prosthetic joint device includes a base portion and a movable portion. An actuator is rotationally coupled to the movable portion and base portion. A compliant element is coupled in parallel with the actuator between the movable portion and base portion.

IPC 8 full level

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