

Title (en)

ROBOTIC DEVICE AND METHOD OF USING A PARALLEL MECHANISM

Title (de)

ROBOTISCHE VORRICHTUNG UND VERFAHREN ZUR VERWENDUNG EINES PARALLELMCHANISMUS

Title (fr)

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

Publication

**EP 3068348 A4 20161221 (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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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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