

Self-Aligning Prosthesis with Hydraulic Actuators

Disclosure Number

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Technology Summary

The invention improves upon a prosthetic limb design relating to a compact hydraulic gimble that resides between the socket and prosthetic device. In a conventional prosthesis a socket is included for accepting an amputated limb. This gimble has small hydraulic actuation that controls the orientation of the gimble. Mesoscale valves open and close allowing the gimble to move. The present means for aligning a prosthetic device is through the means of manually adjusting screws based on subjective comments from the patient.

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