

ABSTRACT**Portable Movement Facilitation Device and Method of Operating the
Device**

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A portable movement facilitation device 200 for facilitating movement of a limb is disclosed herein. In a first embodiment, the portable movement facilitation device comprises a plurality of finger holders 214a-214c for securing to
10 respective ends of the digits 102a-102e of a limb and a plurality of fishing lines 208a-208e with each fishing line attached to one of the plurality of holders 214a-214c. The device 200 further includes a number of motors 206a-206e operable to actuate the plurality of fishing lines so as to flex at least some of the digits 102a-102e from an flex position to a extended position, and a controller
15 202 arranged to control the motors 206a-206e. The device 200 also includes a passive finger actuator 212 arranged adjacent to at least some of the digits 102a-102e and configured to urge said digits 102a-102e to the flex position. A method of operating the device 200 is also disclosed.

20 Figure 1

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