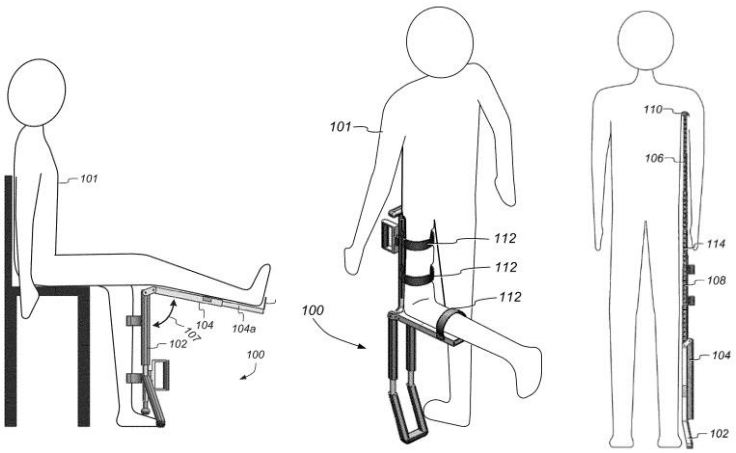
The University of Texas Rio Grande Valley
Office of Technology Commercialization

Multi-mode Hands-free Crutch



Patients with lower leg injuries are presently facing acute difficulty in choosing the right mobility device. This invention presents a multi-modal hands-free crutch that switches between traditional and non-traditional hands-free crutch systems.

Problem

Traditional underarm crutches are increasingly becoming unpopular as they can cause pain in the patients' hands, wrists, arms and shoulders when used for a longer timespan. In addition, these types of aid limit hand movements for even smallest tasks.

Solution

This aid is hands-free which would get rid of the pain that traditional crutches cause to the patients. This invention also allows users to have more movement and no impediment on performing some tasks.

Competitive Advantages

- Two-in-one (multi-modal) mobility aid
- Promise of faster and healthier recovery
- Light-weight material
- Simple and easy to operate

Status of Development

- Seeking commercial partners

IP Status

- US Patent #9808392
- Licensing available

For further information regarding this Technology please contact:
Office of Technology Commercialization
1201 W. University Drive Edinburg, TX 78539 Email: otc@utrgv.edu Phone: 956-665-3032