Non-Confidential Description - PSU Inv. Disc. No. 4293

Field of Invention/Keywords:
Devices

Inventors:
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Background
Healthcare workers suffer the highest incidence of work-related musculoskeletal disorders of any occupation. These injuries are frequently attributed to lifting, handling, and transferring patients between a bed and wheelchair. Current devices used to transfer patients from hospital beds to wheelchairs are bulky, slow, and require specialized training.

Invention Description
An innovative device combining a bed and transfer-system has been invented that allows rapid, safe, and controlled transfer of a patient from the bed directly to a wheelchair without caregivers lifting the patient. This new device is modular, features a removable backrest to greatly simplify patient transfer and keeps the patient in a seated position throughout the transfer to maximize patient comfort. This invention may be of particular interest to companies involved in the manufacture and sale of beds for use in hospitals or long-term care, or organizations interested in preventing injury to healthcare workers and patients.

Advantages:
- Occupies less space
- Saves time
- Provides for rapid transfer
- Maximizes patient comfort
- Requires only minimal caregiver training

Status of the Invention
The invention is available for licensing, in a variety of fields-of-use and geographic areas.

Patent Protection:
U.S. Provisional Patent Application Serial #62/165,872 was filed on May 22, 2015.