

Title: Hypotension Leg Cuffs for Wheelchair-Bound Patients

Invention Summary	Wheelchair bound patients often develop orthostatic hypotension as a result of long term immobilization in wheelchairs. This condition is a result of lack of movement in the lower legs and is caused by blood pooling in these limbs. These patients are also at significantly greater risk for deep vein thrombosis. This invention is a simple, portable dynamic leg compression apparatus.	
Market Applications	This device could be used regularly or intermittently to promote blood circulation in the lower legs of wheelchair-bound patients.	
Features, Benefits & Advantages	This device could alleviate orthostatic hypotension in many wheelchair-bound patients.	
Intellectual Property & Development Status	This concept-stage invention is the basis for one of the design projects for the Bioengineering 3801/4801 Design Class sequence, and will be further developed in that context. It is available for developmental research support/licensing under either exclusive or non-exclusive terms.	
Related Research	http://uuhsc.utah.edu/pmr/faculty/	
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