

Technology: [Self leveling walker](#)

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The VA has a joint ownership interest with Case Western Reserve University

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Abstract: This invention relates to a self-leveling walker to assist persons who have insufficient strength or movement in their legs when standing and walking on uneven surfaces, and for traversing ramps and stairs. The inventive self-leveling walker includes a frame assembly with a leveling assembly for adapting the relative length of the four legs of the walker to accommodate a substantially constant level of the walker so that the user may maintain an erect standing posture at all times, without the need to lean forward or back to accommodate uneven surfaces. The invention employs a fluid or gas based circuit between the front and back walker legs on each respective side, so as to shorten or lengthen each front and back leg with respect to each other, thereby maintaining the overall level of the walker on the subject surface being traversed.