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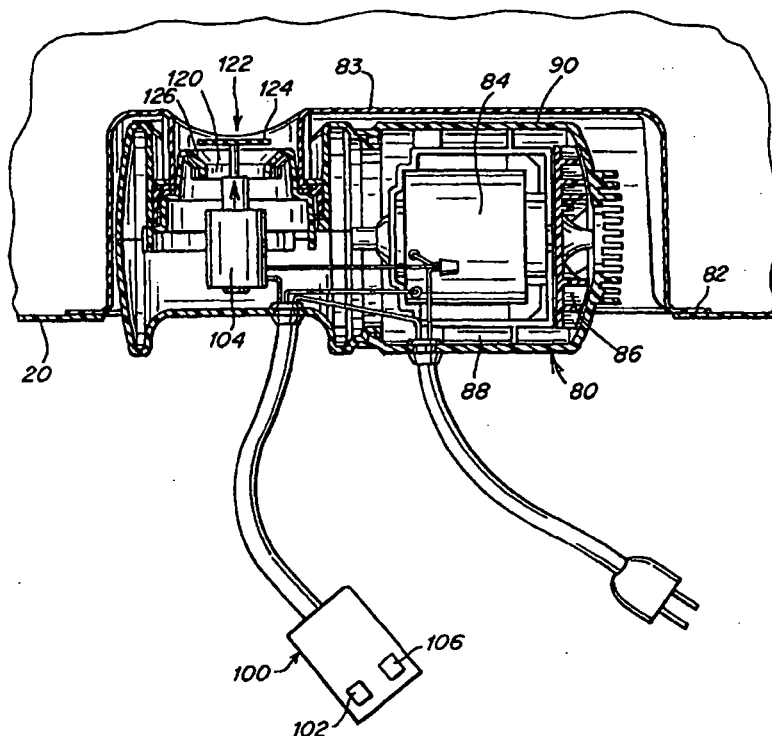
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(54) Title: INFLATABLE DEVICE WITH RECESSED FLUID CONTROLLER AND MODIFIED ADJUSTMENT DEVICE



(57) Abstract: The application is related to inflatable devices, and, more specifically, to an inflatable device with a recessed fluid controller and improved adjustment device. In one embodiment the application is directed to an inflatable device (10) comprising a substantially fluid impermeable bladder (20) and a fluid controller (80) comprising an electrically powered pump at least partly positioned within the bladder. In another embodiment, the application is directed to a combination of a fluid controller comprising an electrically powered pump and an inflatable device. The combination comprises the fluid controller connected to the inflatable device such that the exterior profile of the fluid controller and inflated inflatable device in combination is essentially the same as the exterior profile of the inflated inflatable device. In another embodiment, the application is directed to an inflatable system comprising a substantially fluid impermeable bladder and a fluid controller comprising pump in fluid communication with the bladder. The

fluid controller further comprises a first locking mechanism (110) and an adjustment device (100) including a second locking mechanism (112) sized and adapted to reversibly mate with the first locking mechanism.

WO 01/87121 A3



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WO 01/87121 A3

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