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Rose et al.

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(54) **AIR MATTRESS CONTROL SYSTEM AND METHOD**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 46 days.

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(65) **Prior Publication Data**

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Related U.S. Application Data

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(51) **Int. Cl.⁷** **A47C 27/10**

(52) **U.S. Cl.** **318/16; 5/713; 5/935**

(58) **Field of Search** **5/706, 713, 935; 318/16**

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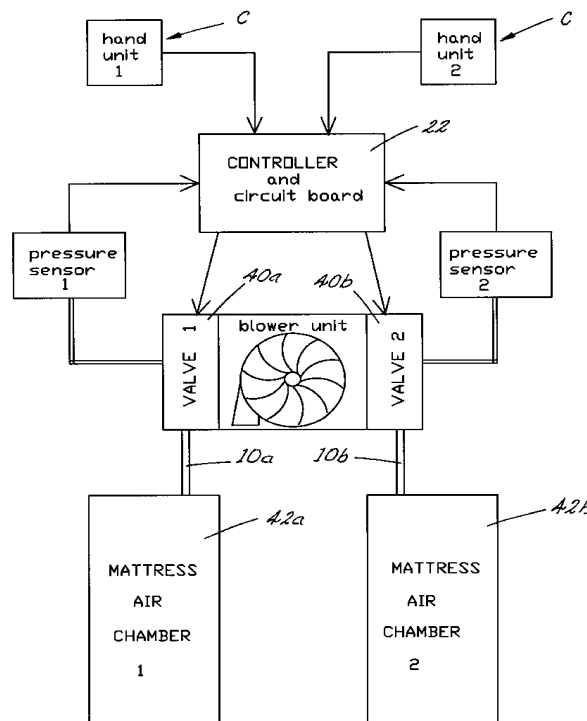
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(57) **ABSTRACT**

A method and system for controlling the firmness of an inflatable air mattress wherein an air blower supplies pressurized air to the inflatable chamber(s) of the mattress through a port containing a valve in response to a target fullness selected by the user, the blower operation being controlled by a processor having an array of blower speeds included in a computer readable medium blower so that the speeds are selected in response to the target value.

22 Claims, 9 Drawing Sheets



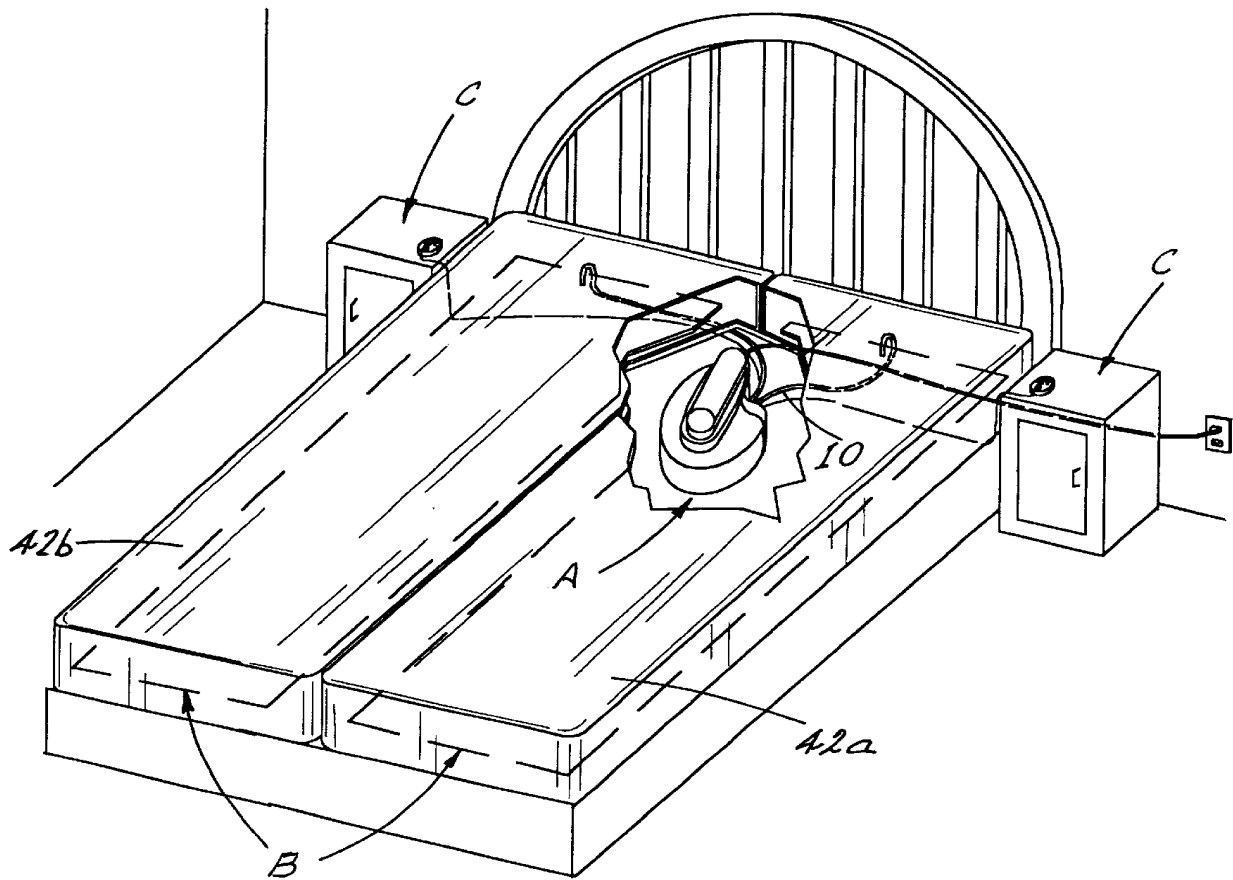


Fig. 1

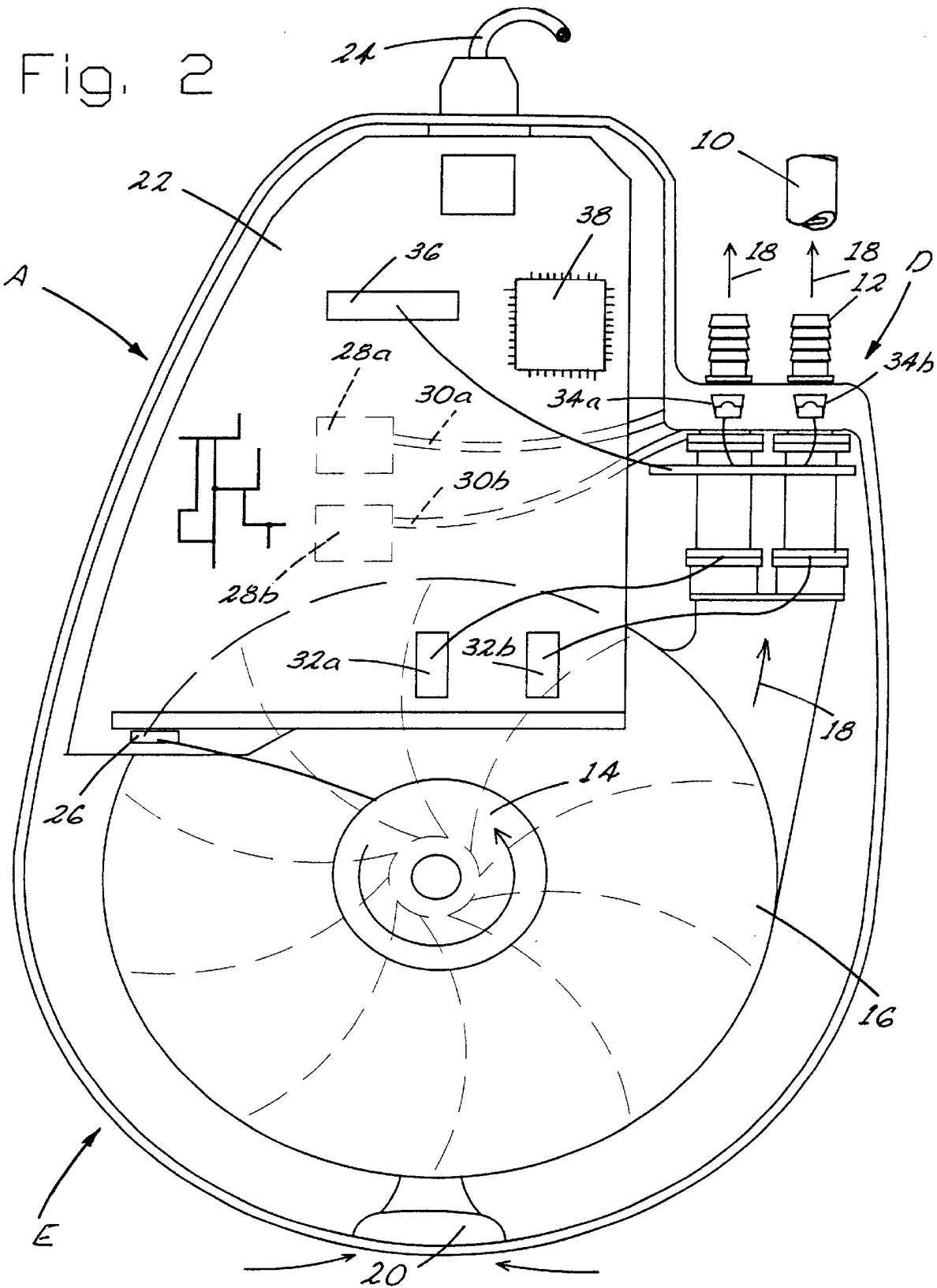
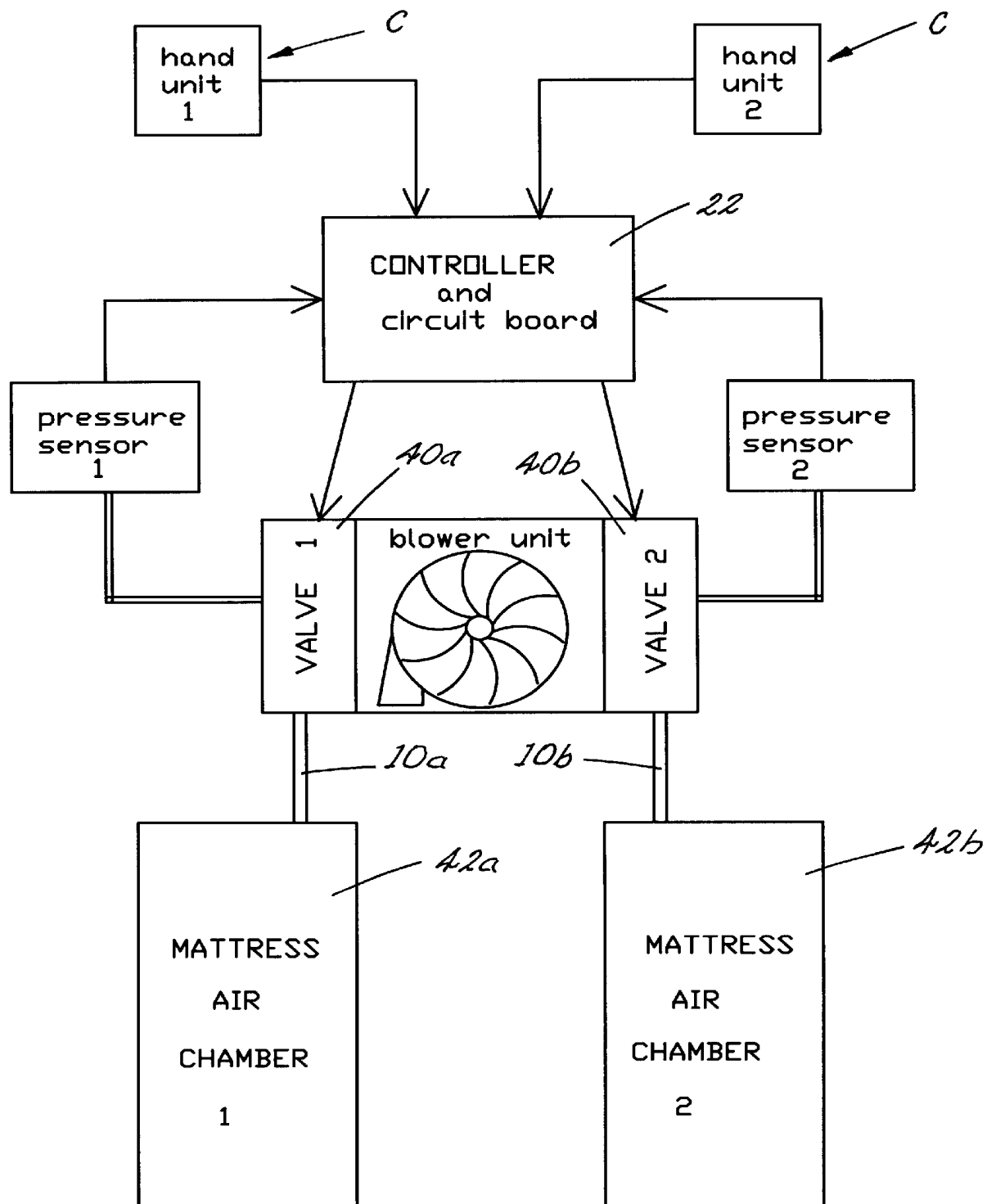


Fig. 3



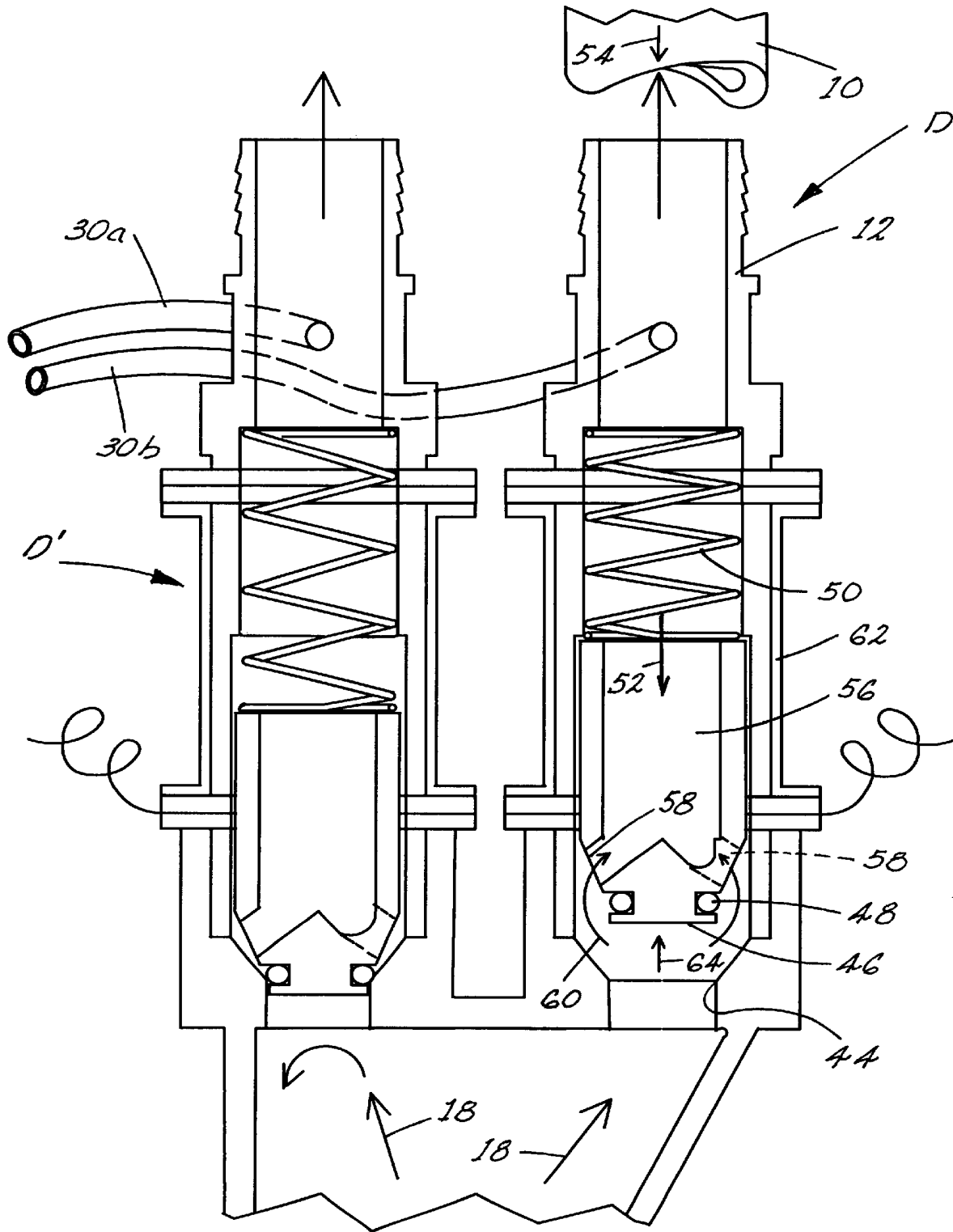


Fig. 4

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