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(71) Applicant: AMERIGON, INC. [US/US]; 404 E. Huntington Drive, Monrovia, CA 91016 (US).

(72) Inventors: GALLUP, David, F.; 12282 Ninth Street, Garden Grove, CA 92640 (US). NOLES, David, R.; Apartment 201, 433 North Louis Street, Glendale, CA 91206 (US). WILLIS, Richard, R.; 120 Castro Street, San Leandro, CA 94577 (US).

(74) Agent: FISCHER, Felix, L.; Christie, Parker & Hale, P.O. Box 7068, Pasadena, CA 91109-7068 (US).

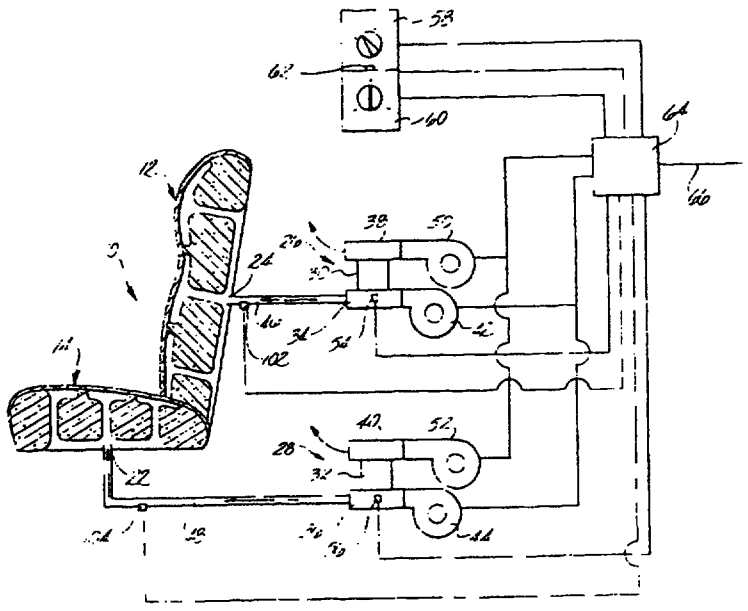
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(54) Title: VARIABLE TEMPERATURE SEAT CLIMATE CONTROL SYSTEM



(57) Abstract

A temperature climate control system comprises a variable temperature seat (10), at least one heat pump (26 and 28), at least one heat pump temperature sensor (54 and 56), and a controller (64). Each heat pump comprises a number of Peltier thermoelectric modules for temperature conditioning the air in a main heat exchanger (34 and 36) and a main exchanger fan (42 and 44) for passing the conditioned air from the main exchanger to the variable temperature seat. The Peltier modules and each main fan may be manually adjusted via a temperature switch (60) and a fan switch (58), respectively. Additionally, the temperature climate control system may comprise a number of additional temperature sensors (102 and 104) to monitor the temperature of the ambient air surrounding the occupant as well as the temperature of the conditioned air directed to the occupant.