structure for a patient at risk of ulcers and is particularly focussed on a vibrating massage. However, the description makes brief reference to the possibility of incorporating vibration into a cushion and states “[The] cushion may be incorporated into the seat of a wheelchair, or a similar chair in which a patient of limited mobility may be expected to spend extended periods of time. The cushion 40 incorporates a vibration unit comprising a motor 16 connected to a flexible plastics frame 12, to provide vibrations to an occupant sitting on surface 14a through first layer of foam 14'. Cushion 40 may further comprise control hardware in communication with vibration motor 16, so as to provide vibration therapy to treat or prevent pressure ulcers for the patient sitting on cushion 40.”

[005] The Vibrant Medical device is described as employing cycloidal vibrations but does so in a limited way which fails to achieve a useful level of beneficial effect. The background described in GB2528967 is incorporated herein by reference. Reference to any prior art in the description should not be taken as an indication that the prior art forms part of the common general knowledge.

SUMMARY OF THE INVENTION

[006] According to an aspect of the present invention, there is provided a support cushion to ameliorate the incidence of pressure ulcers, the support cushion comprising:

an open or closed cell support structure;

at least one cavity formed within the support structure;

at least one vibrational device located within at least one of the cavities and imparting vibration to the support structure;

a controller controlling operation of the vibrational device to adjust one or more of intensity, duration and location of vibrations in a predetermined manner according to any one of a number of selectable programmes;

at least one sensor adapted to measure a weight distribution of a user on the support cushion; and

a computer application programme that is executable by a processor on a computing device to select the selected programme and to receive data from the controller, the computing device comprising a graphical user interface.