

disclosure. As illustrated, the vehicle foot massage system **200** may be positioned in a floor area **202** in front of a passenger seat **204** in a vehicle. The vehicle foot massage system **200** includes a plurality of pressurizable elements or pneumatic elements **206** which may be actuated with air pressure by a pressure generating device (not shown) via respective connecting lines **208**. The pneumatic elements **206** may be arranged in the floor area **202** such that a first group of the plurality of pneumatic elements **206** may be located in a left side of the floor area **202** and the remainder of the plurality of pneumatic elements **206** may be located in a right side of the floor area **202** such that an occupant of the passenger seat **204** may easily position their feet onto corresponding pneumatic elements **206**, respectively. In the exemplary embodiment of FIG. 2, each half of the plurality of pneumatic elements **206** are aligned in an array having an axis roughly aligned in a direction of the vehicle such that they will align with the passenger feet respectively positioned on the pneumatic elements **206**. The pneumatic elements **206** may be positioned on a vehicle floor beneath the vehicle carpet and/or may be incorporated into a selectively connectable floor mat.

[0027] FIG. 3 is a schematic plan view of a portion of another vehicle foot massage system **300** in accordance with another exemplary embodiment of the present disclosure. As illustrated, the vehicle foot massage system **300** may be positioned in a floor area **302** in front of a passenger seat **304** in a vehicle. The vehicle foot massage system **300** includes a plurality of pressurizable elements or pneumatic elements **306** which may be actuated with air pressure by a pressure generating device (not shown) via respective connecting lines (not shown). The vehicle foot massage system **300** includes three pneumatic elements **306** which extend a lateral direction **308** and at least partially overlap each other in a longitudinal direction **310**. The extent by which the pneumatic elements **306** extend in the lateral direction **308** may approximate the lateral direction which a passenger occupant's feet may be spaced in the lateral direction **308** when occupying the passenger seat **304**.

[0028] FIG. 4 is a schematic illustration of a vehicle foot massage system **400** in accordance with the present disclosure. The vehicle foot massage system **400** includes a controller **402**, an air pump **404**, an air manifold **406**, and a plurality of pneumatic elements **408**. The controller **402** may communicate with a vehicle user interface **410** to receive instructions from a vehicle occupant. In response, the controller **402** may control operation of the air pump **404** to selectively provide a source of pressurized air and of the air manifold **406** to selectively provide pressurized air to the pneumatic elements **408**. The user interface **410** may include, for example, a display screen (not shown) with which a vehicle occupant may select from a plurality of massage patterns which determine the pattern of operation of the vehicle foot massage system. Further, the controller **402** may be adapted to carry out a plurality of preset and individually settable massage functions.

[0029] This description is merely illustrative in nature and is in no way intended to limit the disclosure, its application, or uses. The broad teachings of the disclosure can be implemented in a variety of forms. Therefore, while this disclosure includes particular examples, the true scope of the disclosure should not be so limited since other modifications will become apparent upon a study of the drawings, the specification, and the following claims.

What is claimed is:

1. A vehicle foot massage system for a vehicle floor, the system comprising:
 - a plurality of pneumatic elements positioned on the vehicle floor;
 - an air pressure generating device; and
 - a plurality of connecting lines each in communication with one of the plurality of pneumatic elements and with the air pressure generating device.
2. The system of claim 1, wherein the plurality of pneumatic elements are distributed on the vehicle floor in front of a passenger seat.
3. The system of claim 2, wherein the plurality of pneumatic elements are positioned to correspond to a foot location for a passenger occupying the passenger seat.
4. The system of claim 3, wherein a first group of the plurality of pneumatic elements are positioned relative to each other along a longitudinal axis of the vehicle.
5. The system of claim 4, wherein the first group of the plurality of pneumatic elements are positioned in one of a right side and a left side of the vehicle floor in front of the passenger seat.
6. The system of claim 5, wherein a second group of the plurality of pneumatic elements are positioned in the other of the right side and the left side of the vehicle floor in front of the passenger seat.
7. The system of claim 1, further comprising an air manifold in communication with the plurality of connecting lines and selectively connecting each of the plurality of the connecting lines to the air pressure generating device.
8. The system of claim 7, further comprising a controller in communication with the air manifold and adapted to generate an air manifold control signal.
9. The system of claim 8, wherein the air manifold is responsive to the air manifold control signal from the controller to selectively permit air passage through each of the plurality of connecting lines from the air pressure generating device to the plurality of pneumatic elements.
10. The system of claim 1, further comprising a controller in communication with the air pressure generating device and adapted to selectively generate an air pressure signal.
11. The system of claim 10, wherein the air pressure generating device is responsive to the air pressure signal from the controller to generate air pressure.
12. The system of claim 1, wherein the plurality of pneumatic elements at least partially overlap each other in a longitudinal direction of the vehicle.
13. A vehicle with a vehicle foot massage system on a floor of the vehicle, the vehicle comprising:
 - a body including a vehicle floor and defining a passenger compartment;
 - a passenger seat positioned within the passenger compartment on the vehicle floor;
 - a plurality of pneumatic elements positioned on the vehicle floor in front of the passenger seat;
 - a plurality of connecting lines each in communication with one of the plurality of pneumatic elements;
 - an air pressure generating device;
 - an air manifold in communication with the plurality of connecting lines and the air pressure generating device to selectively each of the plurality of connecting lines to the air pressure generating device; and
 - a controller in communication with the air manifold and the air pressure generating device, adapted to generate