

CLAIMS

1. A system for generating a vanishing illusion, the system comprising:
a first room;
a second room, wherein the second room mirrors the first room;
a wall separating the first room from the second room, wherein the wall comprises:
a transition glass comprising a mirrored portion and a transparent portion; and
a frame through which the transition glass is configured to move; and
an actuator configured to move the transition glass with respect to the frame such that the mirrored portion is in alignment or out of alignment relative to the frame based on a trigger or a condition being met.
2. The system of claim 1, comprising a controller communicatively coupled to the actuator and one or more sensors, wherein the controller is configured to instruct the actuator to move the transition glass in response to receiving data associated with motion, light, sound, and any combination thereof from the one or more sensors.
3. The system of claim 2, wherein the one or more sensors are configured to detect motion in the first room.
4. The system of claim 1, wherein the transition glass comprises a fading portion disposed between the transparent portion and the mirrored portion.
5. The system of claim 4, wherein the fading portion enables simultaneously viewing of a mirrored portion of the first room and a portion of the second room during operation.
6. The system of claim 4, wherein the fading portion comprises one or more alternating strips of mirror and one or more alternating strips of glass.
7. The system of claim 4, wherein movement of the fading portion enables a gradual transition between the mirrored portion and the transparent portion during operation, wherein the

fading portion comprises more mirrored parts and less transparent parts closer to the mirrored portion, and wherein the fading portion comprise less mirrored parts and more transparent parts closer to the transparent portion.

8. The system of claim 1, wherein, when the mirrored portion is in alignment relative to the frame during operation, the transition glass enables viewing of a mirrored image of the first room to a viewer in the first room.

9. The system of claim 1, wherein, when the transparent portion is in alignment relative to the frame during operation, the transition glass enables viewing of the second room to a viewer in the first room.

10. A method for generating a vanishing illusion, the method comprising:
receiving, via a processor, an indication of a viewer disposed in a first room based at least in part on data acquired from one or more sensors, wherein the first room mirrors a second room, and is separated from the second room via a wall, wherein the wall comprises a frame through which the transition glass is configured to move, and wherein the transition glass comprises a mirrored portion and a transparent portion;
receiving, via the processor, an indication of movement in the first room via the one or more sensors; and
actuating, via the processor, the transition glass to move with respect to the frame such that the mirrored portion is out of alignment relative to the frame in response to identifying the motion signature.

11. The method of claim 10, wherein the transition glass comprises a fading portion disposed between the transparent portion and the mirrored portion.

12. The method of claim 11, wherein the fading portion comprises a plurality of mirror pieces and a plurality of glass pieces.

13. The method of claim 10, wherein the processor actuates the transition glass based on

determining that the viewer is within a threshold distance from the transition glass.

14. The method of claim 10, wherein the indication of the movement correlates with a predefined motion signature.

15. A theme park attraction system for generating a vanishing illusion, the theme park attraction system comprising:

- a first ride vehicle;

- a second ride vehicle, wherein the second ride vehicle mirrors the first ride vehicle;

- a transition glass that separates the first ride vehicle from the second ride vehicle over at least a portion of a ride path, wherein the transition glass comprises a mirrored portion and a transparent portion; and

- one or more motors configured to move the first ride vehicle and the second ride vehicle from a first position in alignment relative to the mirrored portion to a second position in alignment relative to the transparent portion.

16. The theme park attraction system of claim 15, comprising a controller communicatively coupled to the one or more motors, wherein the controller is configured to instruct the one or more motors to move the first ride vehicle and the second ride vehicle.

17. The theme park attraction system of claim 15, wherein the second ride vehicle moves in the same direction as the first ride vehicle along the transition glass, and wherein the second ride vehicle maintains the same distance from the transition glass as the first ride vehicle.

18. The theme park attraction system of claim 15, wherein, when the first and second ride vehicles are in alignment relative to the mirrored portion, the transition glass enables viewing of a mirrored image of the first ride vehicle.

19. The theme park attraction system of claim 15, wherein, when the first and second ride vehicle are in alignment relative to the transparent portion, the transition glass enables viewing of the second ride vehicle.

20. The theme park attraction system of claim 15, wherein, when the first and second ride vehicle are in alignment relative to the fading portion, the transition glass enables viewing of a portion of a mirrored image of the first ride vehicle and a portion of the second ride vehicle.