

AN AUTOMATED PEOPLE MOVER (APM) MONORAIL SYSTEM

ABSTRACT

5 A bogie assembly for supporting and guiding a vehicle car body on a monorail track, the monorail track having a guideway portion and a narrower guideway beam extending upwardly from the guideway portion. The guideway portion includes a pair of rails, while the guideway beam defines a top surface and a pair of side surfaces. The bogie assembly includes a frame operative to support the
10 vehicle car body above the guideway beam, where this frame includes an upper surface adapted to be pivotably mounted to the underside of the vehicle car body and a pair of side members extending downwardly from the upper surface. Each side member of the frame has an inner surface and an outer surface, the inner surface of each side member adapted to be positioned adjacent a respective one
15 of the side surfaces of the guideway beam. The bogie assembly also includes a pair of load wheels, each load wheel being mounted to a respective one of the side members of the frame and being operative to engage a respective one of the rails of the guideway portion. Each load wheel is characterized by a flange portion capable to engage the respective rail for assisting in the guidance of the vehicle
20 car body as it travels along the monorail track.

Fig 1