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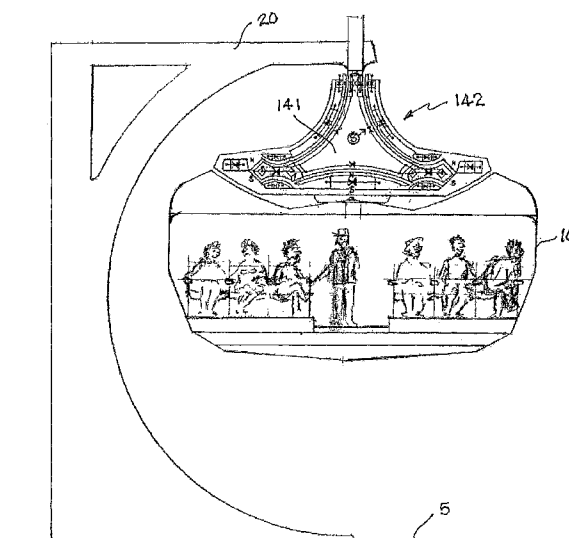
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(54) Title: MAGNETICALLY LEVITATED TRANSPORT SYSTEM



(57) Abstract: The present invention is a magnetically levitated transport system showing a suspended vehicle for carrying passengers and freight fixedly mounted to a translating portion of the linear motor system of the present invention which has the functions of providing levitated positioning of the vehicle as well as propulsion and braking. The translating portion is movably engaged with a long linear ferromagnetic core which is fixed to railway supports mounted above a ground surface. Other ways of supporting and suspending the vehicle are clearly possible as well. Electromagnets are located at opposing sides of a fixed linear ferromagnetic core of a DC linear electric motor-generator. These electromagnets, in a typical application are interconnected initially in parallel electrical interconnection and are later switched to series electrical interconnection as will be described below. Certain benefits may be obtained by this ability to switch between parallel and series interconnection.

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