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(54) Title: PROVIDING A LAND VEHICLE, IN PARTICULAR A RAIL VEHICLE OR A ROAD AUTOMOBILE, WITH ELECTRIC ENERGY BY INDUCTION

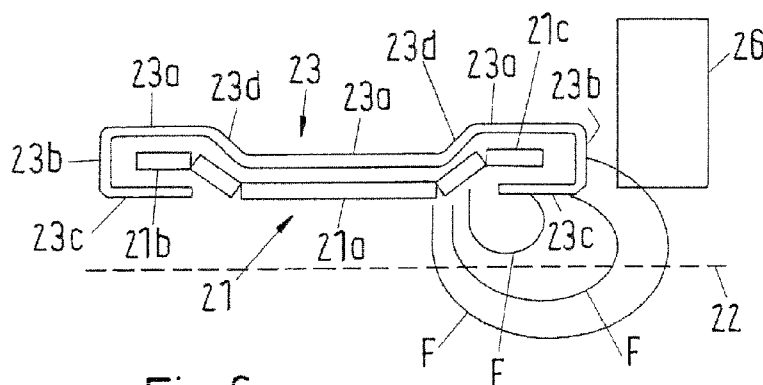


Fig. 6

(57) Abstract: The invention relates to an arrangement for providing a land vehicle, in particular a rail vehicle or a road automobile, with electric energy by producing an electromagnetic field on a primary side located on the track of the vehicle and/or located at a stop of the vehicle, by receiving the magnetic component of the electromagnetic field on a secondary side on board the vehicle above the source of the electromagnetic field and by magnetic induction on the secondary side. The arrangement comprises a secondary side conductor assembly (21) made of electrically conducting material which produces an electromagnetic stray field during operation while the electrically conducting material carries an alternating electric current and a secondary side shielding assembly (23) made of magnetizable material. The secondary side shielding assembly (23) or a part of the secondary side shielding assembly (23) extends sideways of the secondary side conductor assembly (21) on the same level as the secondary side conductor assembly (21), thereby shielding regions, which are located beyond the magnetizable material, from the electromagnetic stray field.





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