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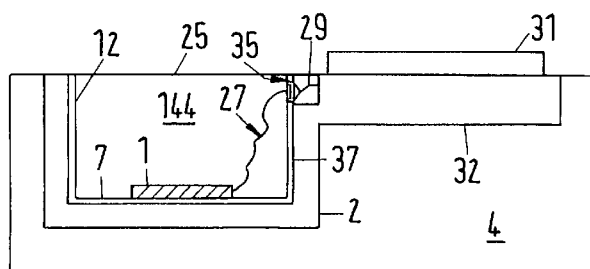


Fig.3

(57) Abstract: The invention relates to a system for transferring energy to a vehicle, in particular a track bound vehicle (162), such as a light rail vehicle, wherein - the system comprises an electric conductor arrangement (31) adapted to produce an electro-magnetic field which can be received by the vehicle thereby transferring the energy to the vehicle, - the system comprises electric and/or electronic devices (1) which are adapted to operate the electric conductor arrangement (31) wherein the devices (1) produce heat while operating the conductor arrangement (31) and - therefore - are to be cooled, - a cooling arrangement of the system comprises; a structure (12) having a cavity (144) in which at least one of the devices (1) to be cooled is located; wherein the structure (12) comprises a cover (25) limiting the cavity (144) at the top, wherein the device(s) to be cooled is/are located at a distance to the cover (25); wherein the structure (12) is integrated in the ground (4) at the path of travel of the vehicle in such a manner that the cover (25) forms a part of the surface of the ground (4).



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