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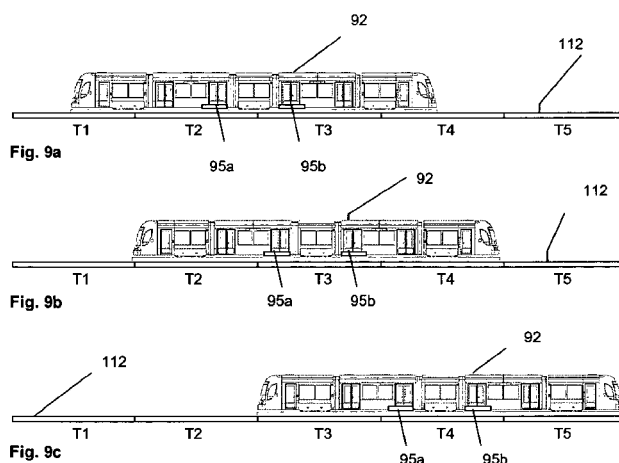
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(54) **Title:** SYSTEM AND METHOD FOR TRANSFERRING ELECTRIC ENERGY TO A VEHICLE



(57) **Abstract:** The invention relates to a system for transferring electric energy to a vehicle (81; 92), in particular to a track bound vehicle such as a light rail vehicle, wherein the system comprises an electric conductor arrangement (12) for producing an alternating electromagnetic field and for thereby transferring the energy to the vehicle (81; 92), the electric conductor arrangement (12) comprises at least two lines (1, 2, 3), wherein each line (1, 2, 3) is adapted to carry a different one of phases of an alternating electric current, the conductor arrangement comprises a plurality of segments (T1, T2, T3, T4, T5), wherein each segment (T1, T2, T3, T4, T5) extends along a different section of the path of travel of the vehicle, each segment (T1, T2, T3, T4, T5) comprises sections of the at least two lines and each segment (T1, T2, T3, T4, T5) can be switched on and off separately of the other segments.