

THIS SHEET HAS BEEN
REPLACED

ABSTRACT

DIRECT CURRENT HIGH TENSION GROUNDING PROTECTION
CIRCUIT FOR DIRECT CURRENT ELECTRIFICATION SYSTEM

To avoid suspension of operation of rectifiers
of an non-ground type electrified conveyance system
5 having a high ground resistance due to unwanted operation
of direct current high tension ground relays caused by
current returning through ground when alternating current
reception in one the territories through which the
conveyance runs is suspended, alternating current
10 insufficient voltage relays are arranged respectively for
alternating current bus-bars respectively associated with
adjacent territories. Constantly open contact points are
switched on in accordance with operating signals therefor
and direct current power sources are connected to the
15 contact points in series. Coils associated with the
direct current power sources, which are excited when the
contact points become on, have contact points
respectively which are connected between both ends of
each of the coils of one-line ground discrimination
20 relays which become on when the coils are excited.

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