

Title (en)

TRACK CIRCUIT WITH OR WITHOUT INSULATED JOINTS FOR RAILWAY SYSTEMS

Publication

EP 0217297 B1 19920122 (DE)

Application

EP 86113243 A 19860926

Priority

DE 3534708 A 19850928

Abstract (en)

[origin: EP0217297A2] The circuit is connected to an AC voltage source (5) and is equipped at the end with connection terminals (8, 9) for tapping off the AC voltage and for displaying the free or occupied state. In order to generate a dynamic signal at the end of the track circuit, a circuit arrangement is in the form of a series circuit of a low-impedance resistor RAP and a periodically actuatable switch (10) for the periodic varying (modulation) of the amplitudes of the AC voltage having a frequency which is lower than this AC voltage and a device which compares the amplitude change of the AC voltage with a threshold value voltage and displays it is provided at one point of the track section. By means of the aforesaid configuration, track sections with lengths greater than 1 GK can be monitored and also the respective state of the ballast can be displayed. <IMAGE>

IPC 1-7

B61L 1/18

IPC 8 full level

B61L 1/18 (2006.01)

CPC (source: EP)

B61L 1/187 (2013.01)

Cited by

AU601494B2; DE3616750A1; DE3732159A1; GB2418051A; EP1634793A1; US7523893B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0217297 A2 19870408; EP 0217297 A3 19890118; EP 0217297 B1 19920122; AT E71895 T1 19920215; DE 3534708 A1 19870402; DE 3683576 D1 19920305

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