Title (en)

Monitoring device for track-free signalling systems

Title (de)

Einrichtung zum Überwachen von Gleisfrei-Meldeanlagen

Title (fr)

Dispositif pour la surveillance de systèmes de signalisation de voie ferrée libre

Publication

EP 0958986 A3 20020821 (DE)

Application

EP 99890162 A 19990519

Priority

AT 87198 A 19980520

Abstract (en)

[origin: EP0958986A2] The signaling system has track circuit measurement devices, axle meters etc. and an evaluation circuit via which the system is connected to a voltage supply and which evaluates signal voltages from the signaling system. A separate monitoring device receives signaling system operating parameters, e.g. the supply and signal voltages and if appropriate the phase of the voltage measurement value in the rest state independently of the track-free measurement system. The operating parameters are measured and evaluated against time.

IPC 1-7

B61L 1/20; B61L 1/16

IPC 8 full level

B61L 1/16 (2006.01); **B61L 1/20** (2006.01)

CPC (source: EP)

B61L 1/169 (2013.01); **B61L 1/181** (2013.01); **B61L 1/20** (2013.01)

Citation (search report)

- [X] DE 4217694 A1 19931202 - SIEMENS AG [DE]
- [A] EP 0831006 A1 19980325 - SIEMENS SCHWEIZ AG [CH]
- [A] DE 3732159 A1 19890413 - IVV INGENIEURGESELLSCHAFT FUER [DE]
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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0958986 A2 19991124; **EP 0958986 A3 20020821**; **EP 0958986 B1 20060322**; AT 406857 B 20001025; AT A87198 A 20000215; AT E320953 T1 20060415; DE 59913257 D1 20060511; ES 2260897 T3 20061101

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EP 99890162 A 19990519; AT 87198 A 19980520; AT 99890162 T 19990519; DE 59913257 T 19990519; ES 99890162 T 19990519