

Title (en)

Apparatus for monitoring the state of a remotely controlled device.

Title (de)

Apparat zur Überwachung des Zustands eines fernkontrollierten Gerätes.

Title (fr)

Dispositif pour la surveillance de la condition d'un appareil commandé à distance.

Publication

**EP 0341224 B1 19931229 (EN)**

Application

**EP 89850088 A 19890316**

Priority

SE 8801725 A 19880506

Abstract (en)

[origin: EP0341224A1] An apparatus for monitoring the state of a remotely controlled means, e.g. a points drive for the points of a railway, or a signal lamp along a railway, without erroneous monitoring results occurring should the lines between a controlling means and the remotely controlled device be incorrectly connected. The remotely controlled device includes one or more special encoding means (4a, 4b, 4). Each such means gives rise to a pulse pattern which is characteristic for the means in a current which flows through it. It can thus be decided at the controlling means whether a current through it also flows through a given conductor part at the remotely controlled device. In accordance with a first embodiment, one of two different encoding means (4a, 4b) is connected into a current path in response to which of two different states a remotely controlled device assumes. According to a second embodiment an encoding means (4) is always connected in series with the remotely controlled device (6), the pulse pattern occurring when the remotely controlled device is supplied with current.

IPC 1-7

**B61L 7/06**; **G08G 1/097**

IPC 8 full level

**B61L 7/06** (2006.01); **G08G 1/097** (2006.01)

CPC (source: EP)

**B61L 7/06** (2013.01); **G08G 1/097** (2013.01)

Citation (examination)

Derwent's abstract no. 86-244902/37, SU-1212 859

Cited by

DE19821141A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0341224 A1 19891108**; **EP 0341224 B1 19931229**; DE 68911744 D1 19940210; DE 68911744 T2 19940707; DK 169209 B1 19940912; DK 221989 A 19891107; DK 221989 D0 19890505; SE 461084 B 19900108; SE 8801725 D0 19880506; SE 8801725 L 19891107

DOCDB simple family (application)

**EP 89850088 A 19890316**; DE 68911744 T 19890316; DK 221989 A 19890505; SE 8801725 A 19880506