

Title (en)

Device for the transmission of control information to a rail vehicle.

Title (de)

Einrichtung zur Übertragung von Steuerungsinformation auf ein Schienenfahrzeug.

Title (fr)

Dispositif pour la transmission d'information de commande à un véhicule ferroviaire.

Publication

EP 0424664 B1 19940817 (DE)

Application

EP 90117986 A 19900919

Priority

DE 3935809 A 19891027

Abstract (en)

[origin: EP0424664A2] For cab signalling and also for automatic vehicle control, signal positions and temporary travel restrictions must be transmitted to the vehicles reliably in terms of signalling technology. For this purpose, a device is disclosed which has a line conductor loop (LL) which is laid on the track section, for example in the track at the signalling location, and a track section device (SG) which feeds said loop and contains for all the possible signal positions in each case two data sets which are identical with one another stored in various memories (SP1, ..., SP4). The current signal position is tapped off at the signal (S) and transferred in coded form to the track section device or it is transmitted from a central track control unit via a data connection to the track section device. The latter transmits the two associated data sets together alternately and continuously onto the line conductor loop with a memory code in each case. The on-board control units of the vehicles which are inductively coupled to the line conductor loop compare the data sets which are equipped with different memory codes and only process further the data contained therein if the data sets are identical with one another with the exception of the memory code. <IMAGE>

IPC 1-7

B61L 3/12; **B61L 3/22**

IPC 8 full level

B61L 3/12 (2006.01); **B61L 3/22** (2006.01)

CPC (source: EP)

B61L 3/121 (2013.01); **B61L 3/225** (2013.01); **B61L 2003/226** (2013.01)

Cited by

EP0735381A3; DE102004059719A1; DE102004059717A1; DE4132786A1; EP0738973A1; EP1619102A1; EP1398747A3; RU2672822C1; WO2010120462A3; WO9616856A1

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