

Title (en)
SYSTEM FOR TRANSMITTING DATA BETWEEN THE GROUND AND MOVING VEHICLES, PARTICULARLY IN GROUND/TRAIN COMMUNICATION.

Title (de)
INFORMATIONSÜBERTRAGUNGSANLAGE ZWISCHEN DEM BODEN UND MOBILEN STATIONEN, INSBESONDERE FÜR DIE BODEN-ZUG-KOMMUNIKATION.

Title (fr)
SYSTEME DE TRANSMISSION D'INFORMATIONS ENTRE LE SOL ET DES MOBILES NOTAMMENT DANS LES COMMUNICATIONS SOL-TRAINS.

Publication
EP 0581847 A1 19940209 (FR)

Application
EP 92910371 A 19920423

Priority
FR 9105045 A 19910424

Abstract (en)
[origin: EP0511103A1] The invention relates to an information transmission system between the ground and mobile units. The installation consists, for example, of a section of railway line V1, equipped with beacons between its rails. The various beacons are linked to nodes, such as Ni, Nj, Nk, which are themselves linked with a Nodal Transmission Centre CNT, on the one hand, and to fixed installations such as IF on the other hand, controlling a point motor for example. The system is applicable especially to the field of information transmission between the ground and railway rolling stock, locomotives, carriages or wagons, train sets or trains. <IMAGE>

Abstract (fr)
L'invention concerne un système de transmission d'informations entre le sol et des mobiles. L'installation est constituée par exemple d'une section de ligne ferroviaire V1, équipée de balises entre ses rails. Les diverses balises sont reliées à des noeuds, tels que Ni, Nj, Nk, eux-mêmes en liaison avec un Centre Nodal de Transmissions CNT d'une part et à des installations fixes telles que IF d'autre part, commandant par exemple un moteur d'aiguille. Le système est applicable notamment au domaine de la transmission d'informations entre le sol et des mobiles ferroviaires, engins de traction, voitures ou wagons, éléments de rames ou de trains.

IPC 1-7
B61L 3/22

IPC 8 full level
B61L 3/16 (2006.01); **B61L 3/12** (2006.01); **B61L 3/22** (2006.01); **B61L 23/00** (2006.01); **G01S 1/02** (2010.01); **H04B 5/00** (2006.01); **H04B 7/26** (2006.01)

CPC (source: EP US)
B61L 3/125 (2013.01 - EP US); **B61L 3/225** (2013.01 - EP US); **B61L 3/227** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

DOCDB simple family (publication)
EP 0511103 A1 19921028; EP 0511103 B1 19970625; AT E154787 T1 19970715; CA 2108755 A1 19921025; DE 69220538 D1 19970731; DE 69220538 T2 19980122; DE 69220538 T4 19980702; DK 0511103 T3 19980119; EP 0581847 A1 19940209; ES 2106841 T3 19971116; FR 2675761 A1 19921030; FR 2675761 B1 19950519; GR 3024851 T3 19980130; JP H06506810 A 19940728; US 5496003 A 19960305; WO 9219483 A1 19921112

DOCDB simple family (application)
EP 92401156 A 19920423; AT 92401156 T 19920423; CA 2108755 A 19920423; DE 69220538 A 19920423; DE 69220538 T 19920423; DK 92401156 T 19920423; EP 92910371 A 19920423; ES 92401156 T 19920423; FR 9105045 A 19910424; FR 9200364 W 19920423; GR 970402493 T 19970924; JP 51045092 A 19920423; US 13706693 A 19931215