

Title (en)

Method for data transmission between a base station and mobile objects.

Title (de)

Verfahren zur Datenübertragung zwischen einer Feststation und sich bewegenden Objekten.

Title (fr)

Procédé pour la transmission de données entre une station de base et les objets mobiles.

Publication

EP 0578060 A3 19950201 (DE)

Application

EP 93110078 A 19930624

Priority

DE 4222014 A 19920704

Abstract (en)

[origin: EP0578060A2] The method should make it possible to exchange data with each individual or one of a multiplicity of objects with little technical expenditure. An antenna arrangement (5) present on the base station repeatedly receives signals radiated by all objects located within a predetermined region. From these received signals (x(t)) information on the instantaneous location of the individual objects (1) is derived. The location information is used for controlling a beam forming network (6) connected to the antenna arrangement (5), in such a manner that the antenna arrangement (5) generates for each of the objects a directional pattern which is formed in such a manner that a main receiving lobe is directed towards the relevant object and the reception attenuation is high in the direction of in each case the other adjacent objects in comparison with the main receiving lobe. <IMAGE>

IPC 1-7

G08G 1/09

IPC 8 full level

G01S 13/91 (2006.01); **G07B 15/06** (2011.01); **G07C 9/00** (2006.01); **G08G 1/017** (2006.01); **G08G 1/09** (2006.01); **H01Q 21/08** (2006.01)

CPC (source: EP)

G07B 15/063 (2013.01); **G08G 1/017** (2013.01)

Citation (search report)

- [PDA] DE 4107803 A1 19920917 - ANT NACHRICHTENTECH [DE]
- [A] WO 9108557 A2 19910613 - EID ELECTRONIC IDENTIFICATION [CA]
- [A] US 4303904 A 19811201 - CHASEK NORMAN E

Cited by

CN111710155A; FR2729226A1; EP0689178A1; EP0627717A1; US5757285A; EP0713201A3; US5710556A; DE19806914A1; US5940032A; DE19806914C2; WO9614626A1

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