

Title (en)  
**MOBILE RADIO SYSTEM**

Publication  
**EP 0199266 B1 19900704 (DE)**

Application  
**EP 86105205 A 19860415**

Priority  
DE 3513929 A 19850417

Abstract (en)  
[origin: EP0199266A1] 1. Mobile radio system or producing telephone connections from and to vehicles (F) via radio links between vehicle-side mobile radio sets (MB) and stationary base stations (FuKo), the geographical area covered by the system being subdivided into a multiplicity of partially overlapping radio zones (Z1 to Zn) and each radio zone having a base station (FuKo) permanently assigned to it and in each case locating devices being provided in order to identify the radio zone (Z1 to Zn) corresponding to the location of the vehicle and to assign the mobile radio set (MB) to the base station corresponding to this radio zone, characterized in that in the vehicles (F) in each case a navigation unit (N) is provided which determines the location data of the vehicle by means of a vehicle-own dead-reckoning navigation system (KON), these data being corrected on passing stationary beacons with the beacon location data received thereby, and in that the mobile radio system is configured in such a way that the location data in each case determined in the navigation unit (N) are transmitted to the mobile radio set (MB) of the vehicle (F) and in that the mobile radio set (MB) evaluates these location data by comparison with the local data of the individual radio zones (Z1 to Zn) to determine the associated radio zone or the associated base station (FuKo).

IPC 1-7  
**H04Q 7/04**

IPC 8 full level  
**G08G 1/133** (2006.01)

CPC (source: EP)  
**G08G 1/133** (2013.01)

Cited by  
US6061558A; EP0546758A3; CN1081563C; EP0984639A3; EP0333330A1; EP0292182A3; EP0666007A4; USRE35916E; EP0510169A4; GB2353910A; US5546445A; EP0615392A1; EP0290725A3; EP1209930A3; GB2283873A; ES2102319A1; GB2283873B; US5588043A; US5621784A; US5629975A; US5642398A; GB2271692A; GB2271692B; EP0451694A3; US6738628B1; US6898432B1; US7099625B1; US5299132A; US5519621A; EP0744727A3; US5652707A; US5832394A; US5884221A; US6148202A; DE3932029A1; US2011191024A1; EP0501058A3; US9234760B2; WO8912835A1; US6847822B1; US7289763B2

Designated contracting state (EPC)  
AT CH DE FR IT LI NL

DOCDB simple family (publication)  
**EP 0199266 A1 19861029; EP 0199266 B1 19900704**; AT E54398 T1 19900715; DE 3672376 D1 19900809

DOCDB simple family (application)  
**EP 86105205 A 19860415**; AT 86105205 T 19860415; DE 3672376 T 19860415