

Title (en)

Antenna device for a radio telephone in a vehicle

Title (de)

Antennenvorrichtung für ein Funktelefon in einem Fahrzeug

Title (fr)

Dispositif d'antenne pour appareil radiotéléphone dans un véhicule

Publication

**EP 1056153 A3 20030604 (DE)**

Application

**EP 00110409 A 20000516**

Priority

DE 19923661 A 19990522

Abstract (en)

[origin: EP1056153A2] The antenna arrangement has a first antenna (12) connected to a radio telephone via an antenna line (22) for optimal link quality. There is a second antenna (14) to enable telephony with limited link quality if the first antenna fails. An electrical switch (30) is provided to switch the second antenna to the radio telephone if the first antenna fails. The first antenna is attached to the vehicle by a breakable attachment element (36), and the switch automatically connects the second antenna to the antenna line if the attachment element breaks

IPC 1-7

**H01Q 1/32**; **H01Q 3/24**; **H01Q 21/28**; **H04B 1/38**

IPC 8 full level

**H01Q 1/10** (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP US)

**H01Q 1/10** (2013.01 - EP US); **H01Q 1/3275** (2013.01 - EP US)

Citation (search report)

- [A] EP 0497704 A1 19920805 - DAIICHI DENSHI KOGYO [JP]
- [A] WO 9831078 A1 19980716 - WHITAKER CORP [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 02 30 January 1998 (1998-01-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 380 (M - 1295) 14 August 1992 (1992-08-14)

Cited by

EP1646106A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**DE 19923661 A1 20001123**; EP 1056153 A2 20001129; EP 1056153 A3 20030604; US 6275194 B1 20010814

DOCDB simple family (application)

**DE 19923661 A 19990522**; EP 00110409 A 20000516; US 57544100 A 20000522