

Title (en)  
AERIAL ARRANGEMENT

Title (de)  
ANTENNENANORDNUNG

Title (fr)  
SYSTEME D'ANTENNES

Publication  
**EP 0580590 B1 19960207 (DE)**

Application  
**EP 92904728 A 19920220**

Priority  
• DE 4116232 A 19910517  
• EP 9200360 W 19920220

Abstract (en)  
[origin: WO9221160A1] In order to obtain the best possible signal reception in at least two frequency bands with differently polarised wave fields, a first aerial has two individual probes (1, 2) for receiving signals in a first frequency band which couple to the displacement current of the same substantially resonant circuit occurring on a conductive formation (6). A second aerial (14) is designed to receive signals in a second frequency band having a wave field with a direction of polarisation at right angles to the wave field of the signals in the other frequency band. The decoupling of the two aerals thus obtained facilitates the best possible choice of aerial components and the ideal positioning and direction of the aerals for efficient reception in the various frequency bands, especially the VHF and LMS bands.

IPC 1-7  
**H01Q 1/32; H01Q 1/22**

IPC 8 full level  
**H01Q 1/22** (2006.01); **H01Q 1/32** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP)  
**H01Q 1/22** (2013.01); **H01Q 1/3283** (2013.01)

Citation (examination)  
NTZ NACHRICHTECHANISCHE ZEITSCHRIFT. Bd. 27, Nr. 1, Januar 1974, BERLIN DE Seiten 17 - 23; LINDENMEIER: 'Wirkungsweise und Leistungsvermögen moderner Autoantennen'siehe Seite 17, Absatz 3.- Seite 18, Absatz 3.2

Cited by  
DE10044936A1; US6870510B2; WO0223668A1

Designated contracting state (EPC)  
DE ES FR GB IT SE

DOCDB simple family (publication)  
**WO 9221160 A1 19921126**; DE 4116232 A1 19921119; DE 59205310 D1 19960321; EP 0580590 A1 19940202; EP 0580590 B1 19960207; JP H06511604 A 19941222

DOCDB simple family (application)  
**EP 9200360 W 19920220**; DE 4116232 A 19910517; DE 59205310 T 19920220; EP 92904728 A 19920220; JP 50490592 A 19920220