

Title (en)  
ANTENNA ASSEMBLY

Title (de)  
ANTENNENANORDNUNG

Title (fr)  
ENSEMBLE D'ANTENNES

Publication  
**EP 3937308 A1 20220112 (EN)**

Application  
**EP 20184487 A 20200707**

Priority  
EP 20184487 A 20200707

Abstract (en)  
The invention relates to an antenna assembly (1) comprising:- an insulating support (10) comprising a first side (11) and a second side (12) facing away from said first side;- a first antenna (20) comprising a first layer (21) arranged on said first side and a second layer (22) arranged on said second side, at least one of said first layer and said second layer comprising a first feed connection (60) connecting said first antenna to a first signal source, at least one of said first layer and said second layer comprising a short connection (61) connecting said first antenna to a reference potential, said first layer and said second layer being conductively connected to each other;- a second antenna (30) comprising a second feed connection (65); and- a transmission line (40) arranged at least partly on said first side across said first layer and connecting said second feed connection of said second antenna to a second signal source.

IPC 8 full level  
**H01Q 5/40** (2015.01); **H01Q 9/40** (2006.01); **H01Q 9/42** (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP)  
**H01Q 5/40** (2015.01); **H01Q 9/40** (2013.01); **H01Q 9/42** (2013.01); **H01Q 1/3275** (2013.01)

Citation (search report)  
• [XAI] WO 2007034137 A1 20070329 - SARANTEL LTD [GB], et al  
• [XAI] EP 2091103 A1 20090819 - SIERRA WIRELESS INC [CA]  
• [XAI] US 2016204514 A1 20160714 - MIRAFTAB VAHID [CA], et al  
• [XA] US 2002180655 A1 20021205 - MOHUCHY WOLODYMYR [US], et al  
• [XAI] US 2006152426 A1 20060713 - MCGRATH DANIEL T [US], et al

Cited by  
WO2024036131A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3937308 A1 20220112; EP 3937308 B1 20240529**

DOCDB simple family (application)  
**EP 20184487 A 20200707**