

Title (en)  
ANTENNA FEEDING ARRANGEMENT

Title (de)  
ANTENNENSPEISUNGSANORDNUNG

Title (fr)  
AGENCEMENT D'ALIMENTATION D'ANTENNE

Publication  
**EP 2248223 A4 20170405 (EN)**

Application  
**EP 09715016 A 20090114**

Priority  
• SE 2009000009 W 20090114  
• SE 0800435 A 20080225

Abstract (en)  
[origin: WO2009108097A1] There is disclosed an antenna element, including at least one antenna patch and a feeding arrangement which comprises: a ground plane including: a first aperture slot and a second aperture slot, where said aperture slots cross each other perpendicularly; a feeding plane including: a first antenna port for feeding microwave energy via a first feeding junction into a first pair of feed lines which extend in parallel along said first aperture slot, on each side thereof; a second antenna port for feeding microwave energy via a second feeding junction into a second pair of feed lines which extend in parallel along said second aperture slot, on each side thereof; and where said feed lines cross each other in at least one point, at a mutual distance. Said feeding arrangement is furthermore irregularly configured for compensating for an imbalance caused by said crossing of said feed lines.

IPC 8 full level  
**H01Q 9/04** (2006.01); **H01Q 1/24** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP SE)  
**H01Q 9/0428** (2013.01 - EP); **H01Q 9/0435** (2013.01 - SE); **H01Q 9/0457** (2013.01 - EP SE)

Citation (search report)  
• [A] US 6239762 B1 20010529 - LIER ERIK [US]  
• [A] US 6531984 B1 20030311 - JOHANNISSON BJOERN [SE], et al  
• [A] EP 1022803 A2 20000726 - FINGLAS TECH LTD [IE]  
• [A] US 5949376 A 19990907 - MCDONALD NOEL A [AU], et al  
• See references of WO 2009108097A1

Designated contracting state (EPC)  
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 SE SI SK TR

DOCDB simple family (publication)  
**WO 2009108097 A1 20090903**; EP 2248223 A1 20101110; EP 2248223 A4 20170405; SE 0800435 L 20090826; SE 532035 C2 20091006

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**SE 2009000009 W 20090114**; EP 09715016 A 20090114; SE 0800435 A 20080225