

Title (en)  
TRANSMISSION LINE FOR MOBILE ELECTRONIC DEVICE

Title (de)  
Übertragungsleitung für tragbares elektronisches Gerät

Title (fr)  
Ligne de transmission pour dispositif électronique mobile

Publication  
**EP 2690704 B1 20160928 (EN)**

Application  
**EP 12177616 A 20120724**

Priority  
EP 12177616 A 20120724

Abstract (en)  
[origin: EP2690704A1] According to embodiments described in the specification, a method and mobile electronic device are provided for tuning an antenna. The mobile electronic device comprises an electrical ground member (30) supporting at least one antenna (150); a housing containing the electrical ground member (300) and having a conductive ring (108) defining the perimeter of the housing; and a conductive tuning member (304) disposed between the conductive ring (108) and the electrical ground member (300), for transforming an impedance between the electrical ground member (300) and the conductive ring (108); wherein the conductive tuning member (304) is connected to the conductive ring (108) by a first short (308), and to the electrical ground member (300) by a second short (312).

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 1/48** (2006.01); **H01Q 5/378** (2015.01)

CPC (source: EP)  
**H01Q 1/243** (2013.01); **H01Q 1/48** (2013.01); **H01Q 5/378** (2015.01)

Cited by  
KR20150117161A; EP2930786A3; US10461427B2

Designated contracting state (EPC)  
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