

Title (en)  
PLANAR ANTENNA HAVING A WIDENED BANDWIDTH

Title (de)  
FLACHANTENNE MIT ERWEITERTER BANDBREITE

Title (fr)  
ANTENNE PLANAIRE A BANDE PASSANTE ELARGIE

Publication  
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Application  
**EP 11787860 A 20111122**

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Abstract (en)  
[origin: WO2012069492A1] The present invention relates to a planar antenna (201) having a widened bandwidth. Said planar antenna includes at least one first conductive element (211) arranged above a ground plane (215) and separate from the latter, a means for exciting said at least one first conductive member and which is configured to excite two different orthogonal resonant modes, wherein said antenna is characterized in that said at least one first conductive member (211) is made of a substrate comprising at least one thin film of an anisotropic material having a relative permittivity greater than 10 for 2 Ghz. The invention can in particular be used in mobile communication terminals.

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