

Title (en)  
PATCH ANTENNA ARRANGEMENT

Title (de)  
PATCH-ANTENNEN-ANORDNUNG

Title (fr)  
ENSEMBLE D'ANTENNES PATCH

Publication  
**EP 2850693 A1 20150325 (DE)**

Application  
**EP 13718301 A 20130418**

Priority  
• DE 102012009846 A 20120516  
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Abstract (en)  
[origin: WO2013170922A1] The invention relates to an improved antenna arrangement which is characterized by the following features: a patch electrode (7) having a patch electrode surface (71) is provided above the dielectric (5) or on the upper face (5a) of the dielectric (5), said patch electrode (7) is fed via a feed line (11) that passes through the dielectric (5) and in doing so is led to a feed point (11a), which is galvanically or capacitively connected to the patch electrode (7). An electrically conductive top patch (23) having a top patch surface (23') is provided at a distance (D) above the patch electrode (7), said patch electrode (7) and the top patch (23) are arranged perpendicularly to a central axis (Z) passing through the antenna arrangement, said antenna arrangement being formed as a left or right circular polarized antenna arrangement. The at least one electric connecting line (29) between the patch electrode (7) and the top patch (23) has at least line sections (29d) which are aligned transversely with respect to the central axis (Z).

IPC 8 full level  
**H01Q 9/04** (2006.01)

CPC (source: EP US)  
**H01Q 9/0414** (2013.01 - EP US); **H01Q 9/0428** (2013.01 - EP US); **H01Q 19/005** (2013.01 - US)

Citation (search report)  
See references of WO 2013170922A1

Cited by  
CN109891671A; US11349205B2

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DOCDB simple family (publication)  
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