

Title (en)

Antenna for receiving satellite radio signals emitted circularly in a polarisation direction

Title (de)

Antenne für den Empfang zirkular in einer Drehrichtung der Polarisation ausgestrahlter Satellitenfunksignale

Title (fr)

Antenne pour la réception circulaire dans un sens de rotation de la polarisation de signaux radio par satellite rayonnés

Publication

**EP 2226895 B1 20130410 (DE)**

Application

**EP 10001881 A 20100224**

Priority

DE 102009011542 A 20090303

Abstract (en)

[origin: EP2226895A2] The antenna has a transducer (7) formed with a transducer connection plug (2) and loop antenna-connection plug (3), where both the plugs are connected to a loop antenna (14) by adjustable-and phase shifting networks (23, 25). Radiation fields of the loop antenna and transducer are superimposed in distant field of the antenna with various phases during the reciprocal operation of the antenna. The transducer includes polarization oriented perpendicular to a polarization of the loop antenna and an orthogonal phase in the distant field.

IPC 8 full level

**H01Q 7/00** (2006.01); **H01Q 9/32** (2006.01); **H01Q 9/36** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/29** (2006.01)

CPC (source: EP US)

**H01Q 7/00** (2013.01 - EP US); **H01Q 9/32** (2013.01 - EP US); **H01Q 9/36** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US); **H01Q 21/29** (2013.01 - EP US)

Cited by

EP2296227A3; US11262431B2; CN110212304A; CN114122684A; CN115966894A; EP2858175A1; CN104518277A; US9553365B2; WO2014031303A1; WO2012123125A1; WO2023139122A1; WO2013119410A1; US8870069B2; US10153552B2; US8599083B2; US9287623B2; US9300047B2

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