

Title (en)

Antenna with a combined bandpass/bandstop filter network

Title (de)

Antenne mit kombiniertem Bandpass-/Bandsperrfilternetzwerk

Title (fr)

Antenne avec réseau de filtre coupe-bande/passe-bande combiné

Publication

EP 2819242 B1 20170913 (EN)

Application

EP 13174418 A 20130628

Priority

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Abstract (en)

[origin: EP2819242A1] An antenna with a combined bandpass/bandstop filter network is provided. The antenna includes: a first radiating arm connectable to an antenna feed, the first radiating arm configured to resonate at a first frequency; a second radiating arm, the second radiating arm and the first radiating arm, when electrically connected, configured to resonate at a second frequency lower than the first frequency; and, a filter network comprising a bandstop filter and a bandpass filter, the filter network filtering an electrical connection between the first radiating arm and the second radiating arm, the filter network configured to: electrically isolate the first radiating arm from the second radiating arm at the first frequency, and electrically connect the first radiating arm and the second radiating arm at the second frequency.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN111106452A; CN110190378A; CN110741510A; EP3646410A4; US11211711B2; WO2019005252A1; US11145982B2; US11996636B1

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