

Title (en)

Multilevel and space-filling round-planes for miniature and multiband antennas

Title (de)

Raumfüllende runde Flächen mit mehreren Ebenen für Miniatur- und Mehrbandantennen

Title (fr)

Aléseuse à plusieurs niveaux et compacte pour antennes miniatures et multibandes

Publication

EP 1837950 A2 20070926 (EN)

Application

EP 07107431 A 20010913

Priority

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Abstract (en)

An antenna system includes one or more conductive elements acting as radiating elements, and a multilevel or space-filling ground-plane, wherein said ground-plane has a particular geometry which affects the operating characteristics of the antenna. The return loss, bandwidth, gain, radiation efficiency, and frequency performance can be controlled through multilevel and space-filling ground-plane design. Also, said ground-plane can be reduced compared to those of antennas with solid ground-planes.

IPC 8 full level

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CPC (source: EP)

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Cited by

RU2486644C1; US7932863B2; US7872605B2; US8111199B2; US8593360B2; EP2884580A1; WO2015086420A1

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