

Title (en)  
Space-filling miniature antennas

Title (de)  
raumfüllende miniaturantennen

Title (fr)  
antennes miniatures de remplissage d'espace

Publication  
**EP 2267838 A3 20110504 (EN)**

Application  
**EP 10180798 A 20000119**

Priority  
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Abstract (en)  
[origin: EP1699110A2] A novel geometry, the geometry of Space-Filling Curves (SFC) is defined in the present invention and it is used to shape a part of an antenna. By means of this novel technique, the size of the antenna can be reduced with respect to prior art, or alternatively, given a fixed size the antenna can operate at a lower frequency with respect to a conventional antenna of the same size.

IPC 8 full level  
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**H01Q 1/243** (2013.01); **H01Q 1/246** (2013.01); **H01Q 1/36** (2013.01); **H01Q 1/38** (2013.01); **H01Q 9/0407** (2013.01)

Citation (search report)  
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• [X] US 4843468 A 19890627 - DREWERY JOHN O [GB]  
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• [A] EP 0253608 A2 19880120 - BRITISH BROADCASTING CORP [GB]  
• [X] HEINZ-OTTO PEITGEN, HARTMUT JURGENS, DIETMAR SAUPE: "chaos and fractals, new frontiers of science", 1992, SPRINGER, new york, ISBN: 0-387-97903-4, XP002608394  
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**EP 1699110 A2 20060906**; **EP 1699110 A3 20061115**; EP 1724874 A2 20061122; EP 1724874 A3 20070725; EP 2267838 A2 20101229; EP 2267838 A3 20110504

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**EP 06007350 A 20000119**; EP 06120498 A 20000119; EP 10180798 A 20000119