

Title (en)
Miniaturized radio frequency antenna element.

Title (de)
Miniaturisiertes Radioantennenelement.

Title (fr)
Antenne radioélectrique élémentaire miniaturisée.

Publication
EP 0527417 A1 19930217 (FR)

Application
EP 92113233 A 19920803

Priority
FR 9110066 A 19910807

Abstract (en)
The antenna is designed to operate well below resonance, and includes a small flat cavity (1) on the surface (1) of which is made at least one radiating slot (3) of much smaller dimensions than those of a normally resonating slot. On the other hand, an impedance-matching circuit is often required at the feed-ins (5) of this antenna. <IMAGE>

Abstract (fr)
L'antenne est conçue pour fonctionner bien en deçà de la résonance, et comporte une petite cavité plate (1) à la surface (1) de laquelle est pratiquée au moins une fente rayonnante (3) de dimensions très inférieures à celles d'une fente normalement résonnante. En revanche, un circuit d'adaptation d'impédance est souvent nécessaire aux accès (5) de cette antenne. <IMAGE>

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H01Q 13/18; **H01Q 21/00**

IPC 8 full level
H01Q 13/10 (2006.01); **H01Q 13/18** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/30** (2006.01)

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H01Q 13/18 (2013.01 - EP US); **H01Q 21/0081** (2013.01 - EP US)

Citation (search report)
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• [A] US 4916457 A 19900410 - FOY WONG [US], et al
• [A] US 3713165 A 19730123 - SVENSSON T, et al
• [A] 1988 INTERNATIONAL SYMPOSIUM DIGEST ANTENNAS AND PROPAGATION vol. I, Juin 1988, SYRACUSE, NY pages 312 - 315
CLOUSTON ET AL. 'A TRIPLATE STRIPLINE SLOT ANTENNA DEVELOPED FOR TIME-DOMAIN MEASUREMENTS ON PHASED ARRAYS'

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