

Title (en)
NOTCH ANTENNA

Title (de)
GEKERBTE ANTENNE

Title (fr)
ANTENNE À ENCOCHE

Publication
EP 2514031 A2 20121024 (EN)

Application
EP 10805726 A 20101214

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• GB 0921811 A 20091214
• GB 201008784 A 20100526
• GB 201009752 A 20100611
• GB 2010052079 W 20101214

Abstract (en)
[origin: GB2476132A] A notch antenna 10, a notch antenna plate 20, a method of making a notch antenna or a method of installing a notch antenna comprise a conductive plate 20 with a first notch 21 coupled to a feed line 30 and a second notch 22 passively excited by a signal supplied to the first notch 21. The second notch 22 may be provided with an adjustment portion to change the effective length of the second notch in response to a detected frequency shift from a desired centre frequency caused by the electrical permittivity of the installation position. The adjustment portion may be a conductive element such as an adhesive backed metallic tape, a switch or a PIN diode coupled across the notch 22. The conductive plate 20 maybe formed from an elastically deformable or flexible material. A vehicle registration plate may form part of the cover for the notch antenna 10. The notch antenna 10 may provide a compact, efficient and easy to adjust antenna.

IPC 8 full level
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CPC (source: EP GB)
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Citation (search report)
See references of WO 2011073645A2

Cited by
CN108604731A

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