

Title (en)
Antenna apparatus

Title (de)
Antennenvorrichtung

Title (fr)
Antenne

Publication
EP 2693566 A1 20140205 (EN)

Application
EP 12360053 A 20120802

Priority
EP 12360053 A 20120802

Abstract (en)
Antenna apparatus and a method of providing antenna apparatus. The apparatus comprising: a parabolic dish operable to collect and direct a satellite spectrum electromagnetic signal towards a focal point of the parabolic dish; a converter located at the focal point operable to convert the satellite spectrum electromagnetic signal to an electrical signal, the converter being coupleable to cabling for carrying the electrical signal; wherein the antenna apparatus further comprises: a white space electromagnetic signal radiating element arranged to use the parabolic dish as a white space electromagnetic signal reflector and coupleable to cabling for carrying electrical signals to and from the white space electromagnetic signal radiating element. Aspects recognise that a typical satellite antenna apparatus comprising a parabolic dish and converter, can also act as a part of a white spectrum antenna. In particular, providing a white space spectrum radiating element and positioning it such that the parabolic dish of the satellite antenna can be used as a reflector, a highly directional, high gain white space antenna may be formed. Allowing the combined antenna apparatus to be connectable to suitable feed lines can allow a signal to be fed to, and taken from, each of the two antenna provided as a single piece of antenna apparatus.

IPC 8 full level
H01Q 19/13 (2006.01); **H01Q 5/45** (2015.01); **H01Q 5/00** (2006.01)

CPC (source: EP)
H01Q 5/45 (2015.01); **H01Q 19/132** (2013.01)

Citation (search report)

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- [XA] US 5933123 A 19990803 - KAUL JOHN R [US]
- [XA] WO 9732359 A1 19970904 - THOMSON CONSUMER ELECTRONICS [US], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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