

Title (en)
Concentric set of microwave antennas

Title (de)
Konzentrische Gruppe von Mikrowellenantennen

Title (fr)
Ensemble d'antennes concentriques pour des ondes hyperfréquences

Publication
EP 0860893 A1 19980826 (FR)

Application
EP 98400436 A 19980223

Priority
FR 9702171 A 19970224

Abstract (en)
Each ring is arranged in a location 25,26 of conductive material, with the quarter wave trap 28 fitted between the two locations. the quarter wave trap is limited on the one hand by the external wall of the location 25 of the closest antenna to the centre 14 and on the other hand by an internal wall 262 of the location 26 of the most distant antenna. these two walls are joined on a first side by a base and form an opening 29 issuing on the path of a leak current from the closest antenna to the centre. the external walls 25 of the location of the closest antenna to the centre 14 and those internal 262 of the location of the most distant antenna have an essentially cylindrical shape centred on the axis 12 of the assembly.

Abstract (fr)
L'invention se rapporte à un ensemble à deux antennes concentriques pour deux bandes de fréquences du domaine des hyperfréquences. Cet ensemble comporte, entre les deux antennes concentriques (14, 16), un moyen (28), tel qu'un piège quart d'onde, pour éliminer ou atténuer la propagation des ondes de l'antenne la plus proche du centre (14) vers l'antenne plus éloignée (16). Ainsi, les signaux de chaque antenne ne sont pas perturbés par les signaux de l'autre antenne. <IMAGE>

IPC 1-7
H01Q 5/00; H01Q 13/10

IPC 8 full level
H01Q 1/52 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/40** (2015.01); **H01Q 5/42** (2015.01); **H01Q 13/10** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)
H01Q 1/521 (2013.01 - EP US); **H01Q 1/523** (2013.01 - EP US); **H01Q 5/40** (2015.01 - EP US); **H01Q 5/42** (2015.01 - EP US);
H01Q 13/10 (2013.01 - EP US); **H01Q 21/06** (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0860893 A1 19980826; CA 2228637 A1 19980824; FR 2760131 A1 19980828; FR 2760131 B1 19990326; US 5995058 A 19991130

DOCDB simple family (application)
EP 98400436 A 19980223; CA 2228637 A 19980223; FR 9702171 A 19970224; US 2881798 A 19980224