

Title (en)
Dual frequency radiating device.

Title (de)
Doppelfrequenz strahlende Vorrichtung.

Title (fr)
Dispositif rayonnant bifr quence.

Publication
EP 0377155 A1 19900711 (FR)

Application
EP 89123208 A 19891215

Priority
FR 8817184 A 19881226

Abstract (en)
[origin: JPH02222203A] PURPOSE: To obtain a compact constitution by allowing two radiating elements to have the same symmetrical axis, and allowing signals radiated by the two elements to have the same radiation opening. CONSTITUTION: This device is constituted of two radiating elements having the same vertical axis, for example, two guides 10 and 11, and the first guide 10 is excited with a high frequency, and interrupted against a low frequency generated in the second guide 11. In the first guide 10, a radio wave is excited by an attached or printed antenna 12, for example, resonator, and the second guide 11 is excited with a low frequency by a plane annular antenna 13 electrically connected (for example, welded) to the first waveguide 10. Then, only a basic mode is added to the radiation of the opening of the second waveguide 11 in each frequency band. Thus, the device can be made compact.

Abstract (fr)
La pr sente invention se rapporte   un dispositif rayonnant bifr quence comprenant un guide d'onde rayonnant dans une premi re gamme de fr quences d bouchant sur un  l ment rayonnant dans une seconde gamme de fr quences plus basse. Application notamment aux domaines des antennes.

IPC 1-7
H01P 1/16; H01Q 25/04

IPC 8 full level
H01P 1/16 (2006.01); **H01P 1/17** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/10** (2015.01); **H01Q 5/45** (2015.01); **H01Q 13/02** (2006.01); **H01Q 13/08** (2006.01); **H01Q 21/24** (2006.01); **H01Q 25/04** (2006.01)

CPC (source: EP US)
H01P 1/16 (2013.01 - EP US); **H01Q 5/45** (2015.01 - EP US); **H01Q 25/04** (2013.01 - EP US)

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

DOCDB simple family (publication)
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