

Title (en)
Dual frequency radiating device.

Title (de)
Doppelfrequenz strahlende Vorrichtung.

Title (fr)
Dispositif rayonnant bifréquence.

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 présente invention se rapporte à un dispositif rayonnant bifréquence comprenant un guide d'onde rayonnant dans une première gamme de fréquences débouchant sur un élément rayonnant dans une seconde gamme de fréquences plus basse. Application notamment aux domaines des antennes.

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

IPC 8 full level
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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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DE FR GB IT SE

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