

Title (en)
Mobile telecommunication device and planar antenna thereof

Title (de)
Mobiltelekommunikationsgerät und RF-Antenne für dieses Gerät

Title (fr)
Appareil de télécommunications et son antenne

Publication
EP 1641077 B1 20150819 (EN)

Application
EP 05019902 A 20050913

Priority
CN 200410082635 A 20040922

Abstract (en)
[origin: EP1641077A1] A planar antenna. A first plane radiation member, a second plane radiation member, and a third plane radiation member oppose a ground area and provide a first resonant frequency, a second resonant frequency, and a third second resonant frequency, respectively. The first plane radiation member includes a first ground end, a feeding end, and an intermediate portion therebetween. The feeding end inputs signals. The second plane radiation member includes a connecting portion and a first free end extending to one side of the first plane radiation member and separated from the first ground end and feeding end by a first gap. The connecting portion is connected to the intermediate portion. The third plane radiation member includes a second ground end and a third free end surrounding the first and second plane radiation members and separated therefrom by a third gap. The second ground end is connected to the ground area.

IPC 8 full level
H01Q 21/30 (2006.01); **H01Q 1/24** (2006.01); **H01Q 5/00** (2015.01); **H01Q 5/10** (2015.01); **H01Q 5/371** (2015.01); **H01Q 5/378** (2015.01); **H01Q 9/04** (2006.01)

CPC (source: EP)
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Cited by
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