

Title (en)

ANTENNA DEVICE USE BOARD AND ANTENNA DEVICE

Title (de)

PLATTE ZUR NUTZUNG EINER ANTENNENVORRICHTUNG UND ANTENNENVORRICHTUNG

Title (fr)

PANNEAU D'UTILISATION DE DISPOSITIF D'ANTENNE ET DISPOSITIF D'ANTENNE

Publication

**EP 3001502 A1 20160330 (EN)**

Application

**EP 13885195 A 20130520**

Priority

JP 2013003195 W 20130520

Abstract (en)

Provided are an antenna-device substrate and an antenna device that enable flexible adjustment of multiple resonance frequencies and enable reduction in size and thickness. There are provided a substrate main body, first to fourth elements (EL1 to EL4) patterned on the substrate main body by use of metal foils, and a ground plane (GND). The first element (EL1) extends to have a base end on which a power feeding point (FP) is provided and have an antenna element (AT). The second element (EL2) extends to have a base end connected to the first element. The third element extends to have a base end connected to the power feeding point. The fourth element extends to have a base end connected to the third element. The first to fourth elements extend with gaps from the adjacent elements and the ground plane so that stray capacitance between the adjacent elements and stray capacitance with the ground plane can occur.

IPC 8 full level

**H01Q 1/38** (2006.01); **H01Q 5/10** (2015.01); **H01Q 5/314** (2015.01); **H01Q 5/371** (2015.01)

CPC (source: EP)

**H01Q 5/314** (2015.01); **H01Q 5/371** (2015.01); **H01Q 1/38** (2013.01)

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BA ME

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