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Application
EP 18913065 A 20180327

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Abstract (en)
[origin: EP3764469A1] Embodiments of this application disclose an antenna. The antenna is disposed on an insulation medium of a circuit board, and the antenna includes a loop radiator, a signal feed-in part, a first conductive ground structure, and a second conductive ground structure. A first end of the loop radiator is connected to the first conductive ground structure, a second end of the loop radiator is connected to the signal feed-in part, and the loop radiator independently generates a first radiation signal based on a function of a current. The loop radiator and the second conductive ground structure form a groove, the loop radiator and the second conductive ground structure jointly generate a second radiation signal in an opening direction of the groove based on a function of a current, and a radiation direction of the first radiation signal is different from a radiation direction of the second radiation signal. All of the signal feed-in part, the first conductive ground structure, and the second conductive ground structure are connected to a radio frequency circuit of the circuit board. The antenna provided in the embodiments of this application can send signals in two directions, so that the antenna has a wider radiation range.

IPC 8 full level
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Citation (search report)

- [XA] US 2016336649 A1 20161117 - YU DONG [CN], et al
- [XA] US 2016359231 A1 20161208 - YANG CHUNG-WEN [TW]
- [XA] WO 2016138650 A1 20160909 - HUAWEI TECH CO LTD [CN]
- [A] US 9019163 B2 20150428 - ASANUMA KENICHI [JP], et al
- See references of WO 2019183798A1

Designated contracting state (EPC)
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