

Title (en)
BROADBAND ANTENNA COMPRISING AT LEAST TWO WINGS

Title (de)
BREITBANDANTENNE MIT MINDESTENS ZWEI FLÜGELN

Title (fr)
ANTENNE À LARGE BANDE COMPRENANT AU MOINS DEUX AILES

Publication
EP 4109674 A1 20221228 (EN)

Application
EP 21180723 A 20210622

Priority
EP 21180723 A 20210622

Abstract (en)
The present disclosure relates to an antenna, in particular, to a broadband antenna. The antenna of this disclosure may radiate with a linear polarization or with a circular polarization. The antenna comprises two or more wings, each wing comprising one or more conductive elements. The conductive elements of the two or more wings are connected to each other, and each conductive element has a bent shape. While the antenna has a large antenna bandwidth, the antenna has also a small size. This makes it well suited for being integrated into a vehicle, in particular, an airborne vehicle like an airplane, a helicopter, or a drone.

IPC 8 full level
H01Q 1/28 (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/25** (2015.01); **H01Q 5/48** (2015.01); **H01Q 9/27** (2006.01); **H01Q 11/10** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/24** (2006.01)

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Citation (search report)
• [XYI] US 10581146 B2 20200303 - LAVIN RONALD O'NEIL [US], et al
• [Y] US 4268833 A 19810519 - MILNE ROBERT
• [Y] US 2020028257 A1 20200123 - BENEDICT JAMES E [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
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EP 4109674 A1 20221228; EP 4109674 B1 20240327

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