

Title (en)
SPIRAL SEGMENT ANTENNA

Title (de)
SPIRALSEGMENTANTENNE

Title (fr)
ANTENNE EN SEGMENT DE SPIRALE

Publication
EP 3850707 B1 20221026 (FR)

Application
EP 19765248 A 20190906

Priority
• FR 1800953 A 20180913
• EP 2019073830 W 20190906

Abstract (en)
[origin: WO2020053090A1] An antenna (100) for emitting radiation from at least one travelling electromagnetic wave that propagates along a guide path, is designed to reduce a reflection likely to be produced for the travelling wave at the end of the guide path. For this purpose, the guide path comprises at least one part in the form of a spiral segment (11, 12), which is connected to another part of the guide path in the form of a loop (13). A gain in the reflection coefficient of the antenna can be obtained in this way, which is effective particularly near a lower frequency limit of a transmission band of the antenna.

IPC 8 full level
H01Q 11/08 (2006.01); **H01Q 1/36** (2006.01); **H01Q 5/25** (2015.01); **H01Q 13/20** (2006.01)

CPC (source: EP IL US)
H01Q 1/362 (2013.01 - EP IL); **H01Q 5/25** (2015.01 - EP IL US); **H01Q 11/08** (2013.01 - EP IL US); **H01Q 13/10** (2013.01 - US);
H01Q 13/20 (2013.01 - EP IL)

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

DOCDB simple family (publication)
WO 2020053090 A1 20200319; CN 112771723 A 20210507; CN 112771723 B 20230505; EP 3850707 A1 20210721; EP 3850707 B1 20221026;
FR 3086107 A1 20200320; FR 3086107 B1 20211224; IL 281268 A 20210429; IL 281268 B1 20230601; IL 281268 B2 20231001;
US 11616304 B2 20230328; US 2022045430 A1 20220210

DOCDB simple family (application)
EP 2019073830 W 20190906; CN 201980062171 A 20190906; EP 19765248 A 20190906; FR 1800953 A 20180913; IL 28126821 A 20210304;
US 201917275862 A 20190906