

Title (en)

TILT ADAPTER FOR DIPLEXED ANTENNA WITH SEMI-INDEPENDENT TILT

Title (de)

NEIGUNGSADAPTER FÜR EINE DIPLEX-ANTENNE MIT HALB-UNABHÄNGIGER NEIGUNG

Title (fr)

ADAPTATEUR D'INCLINAISON POUR ANTENNE DIPLEXÉE AVEC INCLINAISON SEMI-INDÉPENDANTE

Publication

**EP 3125366 A1 20170201 (EN)**

Application

**EP 16179570 A 20160714**

Priority

- US 201514812339 A 20150729
- US 201514958463 A 20151203

Abstract (en)

An antenna, comprising a plurality of radiating elements; a first course phase shifter; a second course phase shifter; a first fine phase shifter; a second fine phase shifter; and a tilt adapter that is configured to adjust the first and second fine phase shifters based on adjustments made to the first and second course phase shifters.

IPC 8 full level

**H01Q 3/32** (2006.01); **H01P 1/18** (2006.01)

CPC (source: CN EP)

**H01P 1/18** (2013.01 - EP); **H01Q 1/246** (2013.01 - EP); **H01Q 3/08** (2013.01 - CN); **H01Q 3/32** (2013.01 - CN EP); **H01Q 5/50** (2015.01 - EP); **H01Q 21/26** (2013.01 - EP)

Citation (applicant)

- US 7463190 B2 20081209 - ZIMMERMAN MARTIN [US]
- US 201514812339 A 20150729

Citation (search report)

- [X] US 7173572 B2 20070206 - TEILLET ANTHONY [US], et al
- [A] GB 2384369 A 20030723 - CSA LTD [GB]

Cited by

CN110165412A; CN110661081A; CN111180893A; US2022021113A1; US11616296B2; WO2019074704A1; US11316270B2; US11621487B2

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

DOCDB simple family (publication)

**EP 3125366 A1 20170201**; **EP 3125366 B1 20200219**; CN 106410409 A 20170215; CN 106410409 B 20210202; CN 112713402 A 20210427; ES 2781705 T3 20200904

DOCDB simple family (application)

**EP 16179570 A 20160714**; CN 201610616203 A 20160729; CN 202110066560 A 20160729; ES 16179570 T 20160714