

Title (en)

SYSTEM FOR REMOTELY CONTROLLING THE RADIATION BEAMS OF MULTI-BEAM ANTENNAS

Title (de)

SYSTEM ZUR FERNSTEUERUNG DER STRAHLEN AUS MULTISTRAPHLANTENNEN

Title (fr)

SYSTÈME POUR COMMANDER À DISTANCE LES FAISCEAUX DE RAYONNEMENT D'ANTENNES À FAISCEAUX MULTIPLES

Publication

**EP 3101729 A1 20161207 (EN)**

Application

**EP 15190172 A 20151016**

Priority

ES 201530770 A 20150602

Abstract (en)

A system for remotely controlling the radiation beams of multi-beam antennas, such that the system internal to the modular and scalable antenna comprises: ## mechanical means based on, at least, one movement transmission module (B) for transmitting the rotary movement of a motor-reducer (14) to the linear movement required by phase shifters included in the antenna and whose rotary movement transmission module (B) is formed by: a modular bedplate set (I), anchored to the antenna frame, and a motor set (II) that is removable and accessible from the lower part of the antenna, and ## electronic control means (A) that govern the rotary movement transmission modules (B) comprising: at least, one housing set (III) and one removable cartridge (IV) connected to the housing set (III), whereupon the transmission modules (B) and electronic control means (A) are communicated by means of respective cables connected to connectors (19a) and (19b).

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 3/32** (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP ES)

**H01Q 1/246** (2013.01 - EP); **H01Q 3/32** (2013.01 - EP ES); **H01Q 21/30** (2013.01 - EP)

Citation (search report)

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- [Y] US 2008316133 A1 20081225 - GUIXA ARDERIU RAMON [ES]
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Cited by

CN107371350A; CN110462928A; EP3596777A4; WO2022108355A1; US11201401B2

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 3101729 A1 20161207**; **EP 3101729 B1 20180829**; ES 2542314 A1 20150804; ES 2542314 B1 20160513; ES 2694549 T3 20181221

DOCDB simple family (application)

**EP 15190172 A 20151016**; ES 15190172 T 20151016; ES 201530770 A 20150602