

Title (en)

CONTROLLABLE PHASE CONTROL ELEMENT FOR ELECTROMAGNETIC WAVES

Title (de)

STEUERBARES PHASENSTELLGLIED FÜR ELEKTROMAGNETISCHE WELLEN

Title (fr)

ORGANE DE RÉGLAGE DE PHASE COMMANDABLE POUR ONDES ÉLECTROMAGNÉTIQUES

Publication

**EP 3482448 A1 20190515 (DE)**

Application

**EP 17737506 A 20170627**

Priority

- DE 102016112583 A 20160708
- EP 2017065890 W 20170627

Abstract (en)

[origin: WO2018007212A1] The invention relates to a controllable phase control element, which comprises a drive unit (2) and a holder (3), to which at least two polarizers (4) are attached, which are arranged one behind the other in the direction of incidence of a wave. Each polarizer (4) is designed in such a way that the polarizer can convert a circularly polarized signal into a linearly polarized signal. The drive unit (2) is designed in such a way that the holder (3) and thus the polarizers can be rotated over a freely selectable angular range.

IPC 8 full level

**H01P 1/17** (2006.01); **H01P 1/18** (2006.01); **H01Q 3/32** (2006.01)

CPC (source: EP IL US)

**H01P 1/17** (2013.01 - EP IL); **H01P 1/172** (2013.01 - IL US); **H01P 1/182** (2013.01 - EP IL US); **H01Q 3/32** (2013.01 - IL); **H01Q 3/32** (2013.01 - EP)

Citation (search report)

See references of WO 2018007212A1

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)

**DE 102016112583 A1 20180111**; CN 109417210 A 20190301; CN 109417210 B 20210706; EP 3482448 A1 20190515; EP 3482448 B1 20200805; ES 2824513 T3 20210512; IL 264101 A 20190131; IL 264101 B 20220601; US 10868349 B2 20201215; US 2020112074 A1 20200409; WO 2018007212 A1 20180111

DOCDB simple family (application)

**DE 102016112583 A 20160708**; CN 201780042452 A 20170627; EP 17737506 A 20170627; EP 2017065890 W 20170627; ES 17737506 T 20170627; IL 26410119 A 20190106; US 201716316214 A 20170627