



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 80 03 36

Classification of the application (IPC):
H01Q 1/12, H01Q 3/08, H01Q 1/24

Technical fields searched (IPC):
H01Q

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	US 9972906 B2 (OUTTHINK TECH LLC [US]; OUTTHINK TECH LLC [US]) 15 May 2018 (2018-05-15) * column 8 - column 26; figures 2, 5a, 5b, 6, 7a, 7b, 7c, 7d, 8, 11a, 11b, 11c, 11 *	1-9
A	WO 2018013602 A2 (SENTENIA SYSTEMS INC [US]) 18 January 2018 (2018-01-18) * paragraph [0058] - paragraph [0060]; figures 12-15 *	1-9
A	US 9306278 B2 (INTEL CORP [US]) 05 April 2016 (2016-04-05) * column 5 - column 6; figure 2 *	1-9

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 02 May 2024	Examiner Collado Garrido, Ana
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CATEGORY OF CITED DOCUMENTS

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| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9

Positioning assemblies for wireless telecommunication antennas

1.1. claims: 1-7

Group 1: Invention relates to provision of an upper azimuth rotational drive assembly in a compact manner.

1.2. claims: 8, 9

Group 2: Invention relates to provision of an upper downtilt drive assembly with upper and lower downtilt limits.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 02 May 2024	Examiner Collado Garrido, Ana
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ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 02-05-2024
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 9972906	B2	15-05-2018	US WO	2016211576 A1 2016115295 A1	21-07-2016 21-07-2016
WO2018013602	A2	18-01-2018	NONE		
US 9306278	B2	05-04-2016	NONE		