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(54) Title: INTEGRATED LINEARLY POLARIZED TRACKING ANTENNA ARRAY

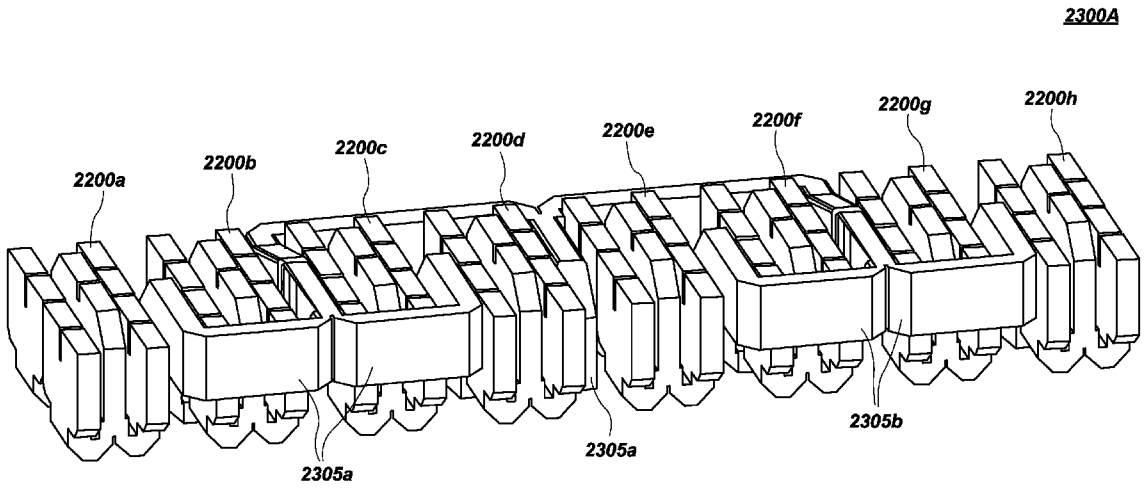


FIG. 23A

(57) Abstract: A combiner network is provided. A combiner network may include a corporate combiner. The corporate combiner may include a first plurality of radiation elements. The corporate combiner may include a first H-plane combiner connected to the first plurality of radiation elements and connected by a U-bend to a first E-plane combiner. The corporate combiner may include a second H-plane combiner connected to the first E-plane combiner. The corporate combiner may further include a first port. A plurality of corporate combiners may be assembled together as a combiner network.

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2017/0117637 A1 (VIASAT INC) 27 April 2017 (27.04.2017), entire document, especially para. [0025], [0038], [0040], [0070]	1-20 ------ 21
Y	US 6,297,774 B1 (Chung) 02 October 2001 (02.10.2001), col. 5, ln. 36-57; col. 9, ln. 39-55; FIG. 5	21
A	US 2017/0077610 A1 (VIASAT INC) 16 March 2017 (16.03.2017), entire document	1-21
A	US 2015/0123867 A1 (THALES) 07 May 2015 (07.05.2015), entire document	1-21
A	US 2013/0154764 A1 (VIASAT INC) 20 June 2013 (20.06.2013), entire document	1-21
A	US 7,564,421 B1 (Edwards et al.) 21 July 2009 (21.07.2009), entire document	1-21

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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