

Title (en)

Feed network and method of providing a feed network

Title (de)

Speisenetzwerk und Verfahren zur Bereitstellung eines Speisenetzwerks

Title (fr)

Réseau d'alimentation et procédé de fourniture d'un réseau d'alimentation

Publication

EP 2887457 A1 20150624 (EN)

Application

EP 13199379 A 20131223

Priority

EP 13199379 A 20131223

Abstract (en)

The invention relates to a feed network (100) for feeding antenna elements (210_1_1, ..., 210_6_1, ..., 210_6_6) of an array antenna, wherein said feed network (100) comprises a rectangular array of n_x many feed terminals along a first dimension (x) and n_y many feed terminals along a second dimension (y), wherein n_x , n_y are even numbers with $n_x > 5$, $n_y > 5$, and wherein at least one of n_x , n_y is no power of two.

IPC 8 full level

H01Q 21/06 (2006.01)

CPC (source: EP)

H01Q 21/061 (2013.01)

Citation (search report)

- [X] WO 9529519 A1 19951102 - CONTINENTAL MICROWAVE TECHNOLO [GB], et al
- [XI] EP 0516981 A1 19921209 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [XI] US 3747114 A 19730717 - SHYHALLA N
- [X] EP 0307338 A1 19890315 - REGIONAL D INNOVATION ET DE TR [FR], et al
- [X] WO 9525409 A1 19950921 - ENDLINK INC [US]

Cited by

CN105870612A; CN113451759A; CN108899655A

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 2887457 A1 20150624

DOCDB simple family (application)

EP 13199379 A 20131223