

Title (en)  
Electronically scanned transmitting antenna.

Title (de)  
Sendeantenne mit elektronischer Schaltung.

Title (fr)  
Antenne à balayage électronique en émission.

Publication  
**EP 0422551 B1 19940810 (FR)**

Application  
**EP 90119246 A 19901008**

Priority  
FR 8913188 A 19891010

Abstract (en)  
[origin: EP0422551A1] The invention relates to an antenna electronically scanned in transmission, comprising an energy-focusing reflector (10), an array (11) of elementary sources, situated in the focal zone of this reflector, so as to produce the synthesis of the electromagnetic field in this focal zone, characterised in that it possesses a zone of coverage, produced by several adjacent spots, which is covered partially and simultaneously by one or more beams whose pathways are independent and using to do this the same number m of elementary sources (or groups of sources) each selected from m classes of sources which are never called upon simultaneously in one beam, so that at each instant an elementary source belonging to one and only one class is called upon, the switching of the sources ensuring the agility of the beam or beams. Application in particular to the field of space telecommunications. <IMAGE>

IPC 1-7  
**H01Q 3/26**; **H01Q 21/00**; **H01Q 25/00**; **H01Q 19/17**

IPC 8 full level  
**H01Q 19/17** (2006.01); **H01Q 3/26** (2006.01); **H01Q 3/36** (2006.01); **H01Q 3/40** (2006.01); **H01Q 21/00** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP)  
**H01Q 3/2658** (2013.01); **H01Q 21/0025** (2013.01); **H01Q 25/007** (2013.01)

Citation (examination)  
• EP 0368121 A1 19900516 - ALCATEL ESPACE [FR]  
• JP S62203403 A 19870908 - KOKUSAI DENSHIN DENWA CO LTD  
• 1988 International Symposium Digest Antennas and Propagation, vol.II, IEEE, Syracuse, N.Y., USA;

Cited by  
WO2013172736A1; DE102014112926A1; WO2016037605A1; US9632211B2

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DE FR GB IT SE

DOCDB simple family (publication)  
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**EP 90119246 A 19901008**; CA 2027183 A 19901009; DE 69011456 T 19901008; FR 8913188 A 19891010; JP 27205090 A 19901009