

Title (en)
DUAL-POLARIZED RADIATING ASSEMBLY

Title (de)
DUALPOLARISIERTE STRAHLERANORDNUNG

Title (fr)
ENSEMBLE ANTENNE RAYONNANTE A DOUBLE POLARISATION

Publication
EP 1470615 A1 20041027 (DE)

Application
EP 03702516 A 20030123

Priority
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• EP 0300703 W 20030123

Abstract (en)
[origin: US6930650B2] An improved dual-polarized antenna arrangement has four antenna element devices each with a conductive structure between opposite antenna element ends. Those antenna element ends of two adjacent antenna element devices adjacent to one another are, in each case, isolated from one another for radio frequency purposes. Those antenna element ends of two adjacent antenna element devices located adjacent to one another in pairs form feed points, and the antenna element devices are fed at least approximately in phase and approximately symmetrically between the respective opposite feed points.

IPC 1-7
H01Q 13/18; **H01Q 21/24**

IPC 8 full level
H01Q 13/10 (2006.01); **H01Q 13/18** (2006.01); **H01Q 19/10** (2006.01); **H01Q 21/20** (2006.01); **H01Q 21/24** (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP KR US)
H01Q 13/10 (2013.01 - EP US); **H01Q 13/18** (2013.01 - EP KR US); **H01Q 15/14** (2013.01 - KR); **H01Q 19/10** (2013.01 - EP KR US); **H01Q 21/20** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US); **H01Q 21/26** (2013.01 - KR)

Cited by
DE102012023938A1; DE102007060083A1; DE102014014434A1; US9373884B2; WO2019162345A1; US11329390B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

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WO 03065505 A1 20030807; AT E299300 T1 20050715; AU 2003205665 B2 20070104; BR 0302904 A 20040706; CN 100470930 C 20090318; CN 1496596 A 20040512; CN 2607673 Y 20040324; DE 10203873 A1 20030814; DE 50300732 D1 20050811; EP 1470615 A1 20041027; EP 1470615 B1 20050706; ES 2245441 T3 20060101; JP 2005516513 A 20050602; KR 20040077441 A 20040904; RU 2003127835 A 20050327; RU 2288527 C2 20061127; TW 200302598 A 20030801; TW I264146 B 20061011; US 2004140942 A1 20040722; US 6930650 B2 20050816; ZA 200307057 B 20031118

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