

Title (en)  
DYNAMIC POLARIZATION AND COUPLING CONTROL FOR A STEERABLE CYLINDRICALLY FED HOLOGRAPHIC ANTENNA

Title (de)  
DYNAMISCHE POLARISATION UND KOPPLUNGSSTEUERUNG FÜR EINE STEUERBARE ZYLINDRISCH GESPEISTE HOLOGRAFISCHE ANTENNE

Title (fr)  
COMMANDE DE POLARISATION DYNAMIQUE ET COUPLAGE D'UNE ANTENNE HOLOGRAPHIQUE À ALIMENTATION CYLINDRIQUE ORIENTABLE

Publication  
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Application  
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- EP 15751946 A 20150120
- US 2015012077 W 20150120

Abstract (en)  
An apparatus is disclosed herein for a cylindrically fed antenna and method for using the same. In one embodiment, the antenna comprises an antenna feed to input a cylindrical feed wave and a tunable slotted array coupled to the antenna feed.

IPC 8 full level  
**H01Q 3/46** (2006.01); **H01Q 3/28** (2006.01); **H01Q 9/04** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/20** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP KR)  
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Citation (applicant)

- ANDO ET AL., RADIAL LINE SLOT ANTENNA FOR 12 GHZ DBS SATELLITE RECEPTION
- YUAN ET AL., DESIGN AND EXPERIMENTS OF A NOVEL RADIAL LINE SLOT ANTENNA FOR HIGH-POWER MICROWAVE APPLICATIONS

Citation (search report)

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- [Y] JP H088640 A 19960112 - TOSHIBA CORP
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- [A] US 2012194399 A1 20120802 - BILY ADAM [US], et al
- [Y] RADU MARIN: "Investigations on liquid crystal reconfigurable unit cells for mm-wave reflectarrays", 1 January 2008 (2008-01-01), pages i - 155, XP055401196, Retrieved from the Internet <URL:http://tuprints.ulb.tu-darmstadt.de/1089/1/diss\_Radu\_Marin\_WebPubl.pdf> [retrieved on 20170825]

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DOCDB simple family (publication)  
**WO 2015126550 A1 20150827**; BR 112016018882 A2 20201027; BR 112016018882 B1 20220222; CN 105960735 A 20160921; CN 105960735 B 20190917; CN 110492238 A 20191122; CN 110492238 B 20210209; EP 3108538 A1 20161228; EP 3108538 A4 20171011; EP 3108538 B1 20201223; EP 3800735 A1 20210407; EP 3800735 B1 20221116; EP 4191794 A1 20230607; ES 2856220 T3 20210927; ES 2935284 T3 20230303; JP 2017506471 A 20170302; JP 6339215 B2 20180606; KR 101864052 B1 20180601; KR 20160130975 A 20161115; TW 201541714 A 20151101; TW I634701 B 20180901

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