

Title (en)  
Dielectric antenna

Title (de)  
Dielektrische Antenne

Title (fr)  
Antenne diélectrique

Publication  
**EP 2262059 A3 20110330 (DE)**

Application  
**EP 10004964 A 20100511**

Priority  
DE 102009022511 A 20090525

Abstract (en)  
[origin: EP2262059A2] The dielectric antenna (1) has transition section (3) with dielectric rod and dielectric tube connected to transition section (4) for emitting electromagnetic radiation as airborne waves. A transition section (4) forms a dielectric horn. A dielectric feeding section (2) is adapted to strike with electromagnetic radiation. The electromagnetic radiation is guidable by the transition sections (3,4). The dielectric tube has wall thickness of about 5% of outer diameter of dielectric tube.

IPC 8 full level  
**H01Q 13/02** (2006.01); **H01Q 1/22** (2006.01); **H01Q 13/24** (2006.01); **H01Q 19/08** (2006.01)

CPC (source: EP US)  
**H01Q 1/225** (2013.01 - EP US); **H01Q 13/02** (2013.01 - EP US); **H01Q 13/24** (2013.01 - EP US); **H01Q 19/08** (2013.01 - EP US)

Citation (search report)

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Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
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**EP 10004964 A 20100511;** CN 201010247260 A 20100525; DE 102009022511 A 20090525; EP 13000629 A 20100511; EP 13000630 A 20100511; EP 13000632 A 20100511; EP 14186480 A 20100511; US 78671710 A 20100525