

Title (en)  
Structure antenna for flying devices and aircrafts

Title (de)  
Struktur-Antenne für Fluggeräte oder Flugzeuge

Title (fr)  
Structure d'antenne pour appareils volants et aéronefs

Publication  
**EP 1204158 A3 20031210 (DE)**

Application  
**EP 01125860 A 20011030**

Priority  
• DE 10054332 A 20001102  
• DE 10151288 A 20011022

Abstract (en)  
[origin: EP1204158A2] The structured antenna (1) is provided by a conductive element (9) integrated within a non-conductive dielectric layer (6) providing one of the aerodynamic surfaces (3) of the airborne object or aircraft, e.g. a wing or aerofoil and which is bent around a fold edge (4) provided by the aerodynamic surface. The antenna is supplied so that the current direction (5) is perpendicular to the fold edge, with the wave resistance being many times less at the fold edge than in the end of the antenna away from the folded edge.

IPC 1-7  
**H01Q 1/28**; **H01Q 9/40**; **H01Q 9/42**; **H01Q 1/36**

IPC 8 full level  
**H01Q 1/28** (2006.01); **H01Q 1/36** (2006.01); **H01Q 9/40** (2006.01); **H01Q 9/42** (2006.01)

CPC (source: EP)  
**H01Q 1/287** (2013.01); **H01Q 1/36** (2013.01); **H01Q 9/40** (2013.01); **H01Q 9/42** (2013.01)

Citation (search report)  
• [X] EP 0996191 A2 20000426 - TRW INC [US]  
• [X] US 2614219 A 19521014 - JOHN CARY REX HENRY  
• [DA] DE 2212647 A1 19730920 - MESSERSCHMITT BOELKOW BLOHM  
• [DA] US 5191351 A 19930302 - HOFER DEAN A [US], et al

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1204158 A2 20020508**; **EP 1204158 A3 20031210**; **EP 1204158 B1 20060830**; DE 50110862 D1 20061012

DOCDB simple family (application)  
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