

Title (en)  
ANTENNA WINDOW WITH HIGH FREQUENCY COMPONENT

Title (de)  
SCHEIBENANTENNE MIT HOCHFREQUENZELEMENT

Title (fr)  
ANTENNE DE VITRE AVEC UN COMPOSANT A HAUTE FREQUENCE

Publication  
**EP 1399986 B1 20090408 (FR)**

Application  
**EP 02745540 A 20020619**

Priority

- DE 10129664 A 20010620
- FR 0202110 W 20020619

Abstract (en)  
[origin: US2004178961A1] An antenna window (1) with a high-frequency electric component (HF) placed fixedly on one of its surfaces, which is electrically connected to a conductor structure (3) provided on the same surface of the window, characterized in that the high-frequency component (HF) has at least one flat coupling electrode (5), which is kept at a specific distance from the flat conductor structure (3) conducting high-frequency antenna signals, by means of an intermediate dielectric layer (4), in order to form said electrical connection.

IPC 8 full level  
**B60J 1/00** (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/40** (2006.01)

CPC (source: EP KR US)  
**H01Q 1/1271** (2013.01 - EP US); **H01Q 1/32** (2013.01 - KR)

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)  
**US 2004178961 A1 20040916; US 7123202 B2 20061017**; AT E428194 T1 20090415; BR 0210399 A 20040810; BR 0210399 A8 20180306; BR PI0210399 B1 20160712; CN 100508279 C 20090701; CN 1518782 A 20040804; CZ 20033419 A3 20040414; CZ 302426 B6 20110511; DE 10129664 A1 20030116; DE 10129664 C2 20030430; DE 60231876 D1 20090520; EP 1399986 A1 20040324; EP 1399986 B1 20090408; ES 2325314 T3 20090901; JP 2004535737 A 20041125; JP 4312597 B2 20090812; KR 100952625 B1 20100415; KR 20040007575 A 20040124; MX PA03011547 A 20040319; PL 204755 B1 20100226; PL 366804 A1 20050207; WO 03009415 A1 20030130

DOCDB simple family (application)  
**US 48063504 A 20040513**; AT 02745540 T 20020619; BR 0210399 A 20020619; CN 02812372 A 20020619; CZ 20033419 A 20020619; DE 10129664 A 20010620; DE 60231876 T 20020619; EP 02745540 A 20020619; ES 02745540 T 20020619; FR 0202110 W 20020619; JP 2003514650 A 20020619; KR 20037015017 A 20020619; MX PA03011547 A 20020619; PL 36680402 A 20020619