

Title (en)
VEHICLE ANTENNA

Title (de)
FAHRZEUGANTENNE

Title (fr)
ANTENNE DE VEHICULE

Publication
EP 1647069 B1 20061213 (DE)

Application
EP 04730966 A 20040504

Priority
• EP 2004004690 W 20040504
• DE 10323557 A 20030526

Abstract (en)
[origin: DE10323557B3] The rear windscreen antenna (1) has an antenna structure (2) and an antenna lead (3) applied to the surface of the windscreen panel at the peripheral edge of the latter, which is provided with an outer black edge zone (9) and an inner graduated edge zone (10), with clear openings (11) of increasing size, using a non-conductive printing material. The antenna structure lies within the inner graduated edge zone and is arranged to fit in the opaque intermediate areas (13) between the clear openings.

IPC 8 full level
H01Q 1/12 (2006.01); **H01Q 1/44** (2006.01)

CPC (source: EP US)
H01Q 1/1271 (2013.01 - EP US); **H01Q 1/44** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 10323557 B3 20040708; DE 502004002326 D1 20070125; EP 1647069 A2 20060419; EP 1647069 B1 20061213;
US 2007152895 A1 20070705; WO 2004105180 A2 20041202; WO 2004105180 A3 20060302

DOCDB simple family (application)
DE 10323557 A 20030526; DE 502004002326 T 20040504; EP 04730966 A 20040504; EP 2004004690 W 20040504; US 55956604 A 20040504