

Title (en)

On-glass antenna with counterpoise.

Title (de)

Fensterantenne mit Gegengewicht.

Title (fr)

Antenne montée sur la glace avec contrepoids.

Publication

EP 0408194 B1 19940601 (EN)

Application

EP 90306419 A 19900613

Priority

US 37917989 A 19890713

Abstract (en)

[origin: EP0408194A2] An antenna for mounting on the window or the like comprises outer (14) and inner RF transfer members (46), each having an electrically conductive member (17, 58) on its underside for respective engagement with the inside and outside of the window (12). A current-fed radiator (16) is carried by the RF transfer member (14) on the outside of the window, while the inner RF transfer member (46) connects to electrical cable (50) having both a main electrical conductor (52) and a ground conductor (53). In accordance with this invention, counterpoise means comprises a conductor carried by the inner RF transfer member which is adapted for electrical engagement with a ground conductor. Typically, the elongated conductor is of about a quarter wavelength and is a coil (80). The counterpoise means (80) typically extends in a direction which is at least generally in the direction of the current-fed radiator (16).

IPC 1-7

H01Q 1/12; **H01Q 1/32**

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP)

H01Q 1/1285 (2013.01); **H01Q 1/3258** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0408194 A2 19910116; **EP 0408194 A3 19910327**; **EP 0408194 B1 19940601**; AT E106611 T1 19940615; DE 69009319 D1 19940707; DE 69009319 T2 19941208

DOCDB simple family (application)

EP 90306419 A 19900613; AT 90306419 T 19900613; DE 69009319 T 19900613