

Title (en)
WINDOW-GLASS ANTENNA FOR VEHICLE

Title (de)
FENSTERSCHEIBENANTENNE FÜR FAHRZEUGE

Title (fr)
ANTENNE DE VERRE À VITRES DESTINÉE À UN VÉHICULE

Publication
EP 2581983 A1 20130417 (EN)

Application
EP 11795510 A 20110520

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• JP 2011061633 W 20110520

Abstract (en)
An antenna includes core-wire-side and ground-side feeding points aligned close to each other on a glass surface of a window of the vehicle near an opening of a metallic flange of the window; a ground-side element including a line extending from the ground-side feeding point in a direction away from a portion of the metallic flange which is located closest to the ground-side feeding point; and a core-wire-side element including a core-wire-side first line extending from the core-wire-side feeding point substantially in parallel with the line of the ground-side element, and a core-wire-side second line extending from the core-wire-side first line in a branched manner or extending directly from the core-wire-side feeding point in parallel with the core-wire-side first line. A length from the core-wire-side feeding point to a tip of the core-wire-side first line and a length from the core-wire-side feeding point to a tip of the core-wire-side second line correspond to two separate resonance frequencies within the frequency bandwidth to cause a resonance at each of the two separate resonance frequencies.

IPC 8 full level
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CPC (source: EP)
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Cited by
EP2797164A1; AU2014201816B2; EP3101728A1; EP3361564A1; EP3076480A1; US10651536B2; US11303007B2

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