

Title (en)
MULTIBAND ANTENNA SYSTEM

Title (de)
MEHRBEREICHS-ANTENNENANORDNUNG

Title (fr)
ENSEMBLE ANTENNE A PLUSIEURS ZONES

Publication
EP 1920495 B1 20110914 (DE)

Application
EP 06777925 A 20060724

Priority
• EP 2006064568 W 20060724
• DE 102005039914 A 20050824

Abstract (en)
[origin: WO2007023054A1] The invention relates to a multiband antenna system for a vehicle window comprising an antenna feed structure (7) in lateral recesses (5) of the heat conductor field (1, 2). The antenna feed structure (7) is connected to the heat conductor field (1, 2) at high-frequency with a low-impedance, but is not galvanically connected thereto. The inventive system allows defrosting of the vehicle window in the entire wiper area without impairment by the antenna feed structure (7).

IPC 8 full level
H01Q 1/12 (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/321** (2015.01); **H01Q 5/40** (2015.01)

CPC (source: EP US)
H01Q 1/1278 (2013.01 - EP US); **H01Q 5/321** (2015.01 - EP US); **H01Q 5/40** (2015.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 2007023054 A1 20070301; BR PI0614876 A2 20110419; BR PI0614876 A8 20180522; BR PI0614876 B1 20181211; CN 101248553 A 20080820; CN 101248553 B 20130529; DE 102005039914 A1 20070308; EP 1920495 A1 20080514; EP 1920495 B1 20110914; RU 2008110936 A 20090927; US 2009015492 A1 20090115; US 7880679 B2 20110201

DOCDB simple family (application)
EP 2006064568 W 20060724; BR PI0614876 A 20060724; CN 200680030909 A 20060724; DE 102005039914 A 20050824; EP 06777925 A 20060724; RU 2008110936 A 20060724; US 6477106 A 20060724