

Title (en)  
VEHICLE WINDOW GLASS

Title (de)  
FAHRZEUGFENSTERGLAS

Title (fr)  
VERRE À VITRE POUR VÉHICULE

Publication  
**EP 3163675 B1 20210217 (EN)**

Application  
**EP 16196064 A 20161027**

Priority  
• JP 2015213123 A 20151029  
• JP 2016178252 A 20160913

Abstract (en)  
[origin: EP3163675A1] A vehicle window glass according to the present invention includes a glass plate, a first feeding portion disposed on the glass plate, and a composite antenna element that is disposed on the glass plate and extends from the first feeding portion, wherein the composite antenna element includes a first media element that mainly receives a frequency band of first media, and a second media element that mainly receives a frequency band of second media having a higher frequency band than the first media.

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 5/30** (2015.01); **H01Q 5/321** (2015.01)

CPC (source: EP)  
**H01Q 1/1271** (2013.01); **H01Q 1/1278** (2013.01); **H01Q 5/30** (2015.01); **H01Q 5/321** (2015.01)

Citation (opposition)  
Opponent : AGC Glass Europe  
• EP 2797164 A1 20141029 - CENTRAL GLASS CO LTD [JP]  
• JP H09153716 A 19970610 - CENTRAL GLASS CO LTD  
• EP 3101733 A1 20161207 - CENTRAL GLASS CO LTD [JP]  
• AU 2014201816 A1 20141113 - CENTRAL GLASS CO LTD  
• EP 2173008 A1 20100407 - ASAHI GLASS CO LTD [JP]

Cited by  
US11575192B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3163675 A1 20170503; EP 3163675 B1 20210217**

DOCDB simple family (application)  
**EP 16196064 A 20161027**