

Title (en)  
GLASS ANTENNA

Title (de)  
GLASANTENNE

Title (fr)  
ANTENNE DE VITRE

Publication  
**EP 3101734 A4 20170913 (EN)**

Application  
**EP 14880841 A 20141127**

Priority  
• JP 2014014001 A 20140129  
• JP 2014081374 W 20141127

Abstract (en)  
[origin: EP3101734A1] It is provided a glass antenna arranged on a window glass for a vehicle, comprising a power feeding point connected to a receiver, a first element extending from the power feeding point. The first element includes an overlap portion arranged along a second element that is not connected to the power feeding point so as to be spaced apart from the second element with a predetermined spacing, and a non-overlap portion prevented from being arranged along the second element. Each length of the overlap portion and the non-overlap portion are adjusted so that the overlap portion is tuned to a first frequency band, and the non-overlap portion is tuned to a second frequency band.

IPC 8 full level  
**H01Q 1/12** (2006.01); **H01Q 5/371** (2015.01); **H01Q 5/378** (2015.01); **H01Q 9/42** (2006.01); **H01Q 21/30** (2006.01)

CPC (source: EP)  
**H01Q 1/1278** (2013.01); **H01Q 5/371** (2015.01); **H01Q 5/378** (2015.01); **H01Q 9/42** (2013.01); **H01Q 21/30** (2013.01)

Citation (search report)  
• [XAYI] JP H02811 U 19900105  
• [XAYI] EP 2190057 A1 20100526 - ASAHI GLASS CO LTD [JP]  
• [XAI] JP 2007110390 A 20070426 - NIPPON SHEET GLASS CO LTD  
• [A] US 2005231432 A1 20051020 - TSURUME YOSHINOBU [JP], et al  
• See references of WO 2015114928A1

Cited by  
EP3361564A1; EP3499639A1; US10573962B2; EP3321115A4; US10651537B2; US10651536B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 14880841 A 20141127**; JP 2014014001 A 20140129; JP 2014081374 W 20141127