

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)
EP 3101734 A1 20161207; EP 3101734 A4 20170913; EP 3101734 B1 20190102; JP 2015142246 A 20150803; JP 6221779 B2 20171101;
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