

Title (en)
WINDOW GLASS

Title (de)
FENSTERGLAS

Title (fr)
VITRE DE FENÊTRE

Publication
EP 3570370 A4 20200812 (EN)

Application
EP 18739438 A 20180111

Priority
• JP 2017002868 A 20170111
• JP 2018000480 W 20180111

Abstract (en)
[origin: EP3570370A1] A window glass according to the present invention includes a glass plate, a defogger formed on the glass plate and having a pair of bus bars and a plurality of horizontal heating wires that join the pair of bus bars, and an antenna formed on the glass plate, the antenna including a first power supply part, a first antenna element extending from the first power supply part, a second power supply part, and a second antenna element extending from the second power supply part, the antenna being configured to receive radio waves of a frequency range of a first media, using the first antenna element and the second antenna element, and the first antenna element and the second antenna element both being capacitively coupled to the defogger.

IPC 8 full level
B60J 1/00 (2006.01); **B60J 5/10** (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/32** (2006.01); **H01Q 9/16** (2006.01); **H01Q 19/28** (2006.01)

CPC (source: EP)
H01Q 1/1278 (2013.01); **H01Q 9/16** (2013.01); **H01Q 19/28** (2013.01)

Citation (search report)
• [X] EP 2458672 A1 20120530 - ASAHI GLASS CO LTD [JP]
• [X] EP 3101728 A1 20161207 - ASAHI GLASS CO LTD [JP]
• [XD] WO 2016190064 A1 20161201 - NIPPON SHEET GLASS CO LTD [JP]
• [X] JP 2000252732 A 20000914 - ASAHI GLASS CO LTD
• [X] WO 2016175314 A1 20161103 - NIPPON SHEET GLASS CO LTD [JP]
• See references of WO 2018131647A1

Cited by
EP3680118A4

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

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