

Title (en)  
ANTENNA

Title (de)  
ANTENNE

Title (fr)  
ANTENNE

Publication  
**EP 2645473 A1 20131002 (EN)**

Application  
**EP 11843713 A 20110922**

Priority  
• JP 2010262491 A 20101125  
• JP 2011071582 W 20110922

Abstract (en)  
It is provided an antenna, which is to be disposed on a window glass, comprising a hot-side element (10) and a ground-side element (20). The hot-side element (10) extends substantially horizontally along the metal flange (1) in a direction separating from the hot-side feed point (3). The ground-side element (20) includes a ground-side first conductive line (21), and at least one of a ground-side second conductive line (22) and a ground-side third conductive line (23). The ground-side first conductive line (21) extends downward along the metal flange (1). The ground-side second conductive line (22) extends downward substantially in parallel to the ground-side first conductive line (21) closer to a center of the window glass than the ground-side first conductive line (21). The ground-side third conductive line (23) extends upward closer to the center of the window glass than the ground-side feed point (4) and the hot-side feed point (3).

IPC 8 full level  
**H01Q 1/32** (2006.01); **H01Q 1/22** (2006.01); **H01Q 9/26** (2006.01); **H01Q 9/44** (2006.01)

CPC (source: EP)  
**H01Q 1/1271** (2013.01); **H01Q 9/26** (2013.01); **H01Q 9/42** (2013.01)

Citation (search report)  
See references of WO 2012070303A1

Cited by  
WO2020193384A1; DE202020005490U1

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 2645473 A1 20131002**; CN 103222112 A 20130724; JP 2012114720 A 20120614; JP 5671971 B2 20150218; WO 2012070303 A1 20120531

DOCDB simple family (application)  
**EP 11843713 A 20110922**; CN 201180056442 A 20110922; JP 2010262491 A 20101125; JP 2011071582 W 20110922