

Title (en)

WATER-TIGHT LTE ANTENNA HAVING PU POTTING

Title (de)

WASSERDICHT E LTE-ANTENNE MIT PU-VERGUSS

Title (fr)

ANTENNE LTE ETANCHE À L'EAU POURVUE D'UN POLYURÉTHANE DE REMPLISSAGE

Publication

**EP 3235057 A1 20171025 (DE)**

Application

**EP 15810734 A 20151217**

Priority

- DE 102014119059 A 20141218
- EP 2015080286 W 20151217

Abstract (en)

[origin: WO2016097182A1] The invention relates to an antenna (1) for a vehicle, comprising a carrier, in particular a circuit board (8), wherein antenna structures for transmitting and/or receiving high-frequency signals are arranged on the carrier, and wherein the antenna (1) has a plug connector (5) for connecting to an electronic device, characterized in that the antenna (1) has a plastic half-shell (2) having a peripheral frame (3), into which plastic half-shell the carrier is inserted, wherein the plastic half-shell (2) is filled up with a potting mass (4).

IPC 8 full level

**H01Q 1/32** (2006.01); **H01Q 1/40** (2006.01)

CPC (source: CN EP US)

**H01Q 1/32** (2013.01 - US); **H01Q 1/3275** (2013.01 - CN EP US); **H01Q 1/40** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016097182A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102015225756 A1 20160623**; BR 112017007788 A2 20180116; BR 112017007788 B1 20230214; CN 107004944 A 20170801; EP 3235057 A1 20171025; EP 3235057 B1 20210310; US 2017288302 A1 20171005; WO 2016097182 A1 20160623

DOCDB simple family (application)

**DE 102015225756 A 20151217**; BR 112017007788 A 20151217; CN 201580061999 A 20151217; EP 15810734 A 20151217; EP 2015080286 W 20151217; US 201515516586 A 20151217