

Title (en)

Coupling apparatus for a releasable attachment of a towing antenna

Title (de)

Kupplungsvorrichtung zum lösbaren Verbinden einer Schleppantenne

Title (fr)

Dispositif d'accouplage pour la jonction amovible de une antenne remorquée

Publication

EP 1770822 B1 20150930 (DE)

Application

EP 06017205 A 20060818

Priority

DE 102005045843 A 20050926

Abstract (en)

[origin: EP1770822A1] The device has antenna-sided and vehicle-sided mechanical connecting units and electrical and/or optical connecting units, where a lever and an elbow lever (22, 24) are provided for positive-fit coupling of the mechanical connecting units to each other. A helical spring and another lever (36, 44) are provided for force-fit coupling of the electrical and/or optical connecting units. The vehicle-sided mechanical connecting unit has a guide (4), where an antenna-sided connecting unit (6) is inserted in the guide and is latched in a coupling position.

IPC 8 full level

H01Q 1/04 (2006.01); **H01Q 1/34** (2006.01)

CPC (source: EP KR)

B63G 8/38 (2013.01 - KR); **B63G 8/39** (2013.01 - EP); **H01Q 1/04** (2013.01 - EP); **H01Q 1/34** (2013.01 - EP); **H01R 13/62933** (2013.01 - EP); **H01R 2201/02** (2013.01 - EP)

Citation (examination)

US 5575675 A 19961119 - ENDO TAKAYOSHI [JP], et al

Cited by

WO2018202495A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1770822 A1 20070404; **EP 1770822 B1 20150930**; DE 102005045843 A1 20070405; DE 102005045843 B4 20170406; ES 2552007 T3 20151125; KR 101166591 B1 20120718; KR 20070034930 A 20070329

DOCDB simple family (application)

EP 06017205 A 20060818; DE 102005045843 A 20050926; ES 06017205 T 20060818; KR 20060084271 A 20060901