

Title (en)

WINDSHIELD WIPER-ATTACHMENT DEVICE HAVING A SAFETY POSITION, CONNECTOR AND ADAPTER FOR SUCH A DEVICE, AND WIPING SYSTEM COMPRISING SAID ATTACHMENT DEVICE

Title (de)

VORRICHTUNG ZUR ANBRINGUNG VON SCHEIBENWISCHERN MIT EINER SICHERHEITSPPOSITION, VERBINDER UND ADAPTER FÜR EINE SOLCHE VORRICHTUNG SOWIE WISCHSYSTEM MIT EINER SOLCHEN ANBRINGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE FIXATION D'ESSUIE-GLACE A POSITION DE SECURITE, CONNECTEUR ET ADAPTATEUR D'UN TEL DISPOSITIF ET SYSTEME D'ESSUYAGE COMPRENANT LEDIT DISPOSITIF DE FIXATION

Publication

EP 2771215 A1 20140903 (FR)

Application

EP 12775518 A 20121024

Priority

- FR 1159651 A 20111025
- EP 2012071052 W 20121024

Abstract (en)

[origin: WO2013060723A1] The invention relates to a device for attaching a windshield wiper blade to a drive arm of a wiping system. The device comprises a connector attached to the blade and an adapter (9) for connecting the connector to the arm, said adapter (9) including holding means (20) for holding same in a nominal locking position on the arm. According to the invention, the connector and/or the adapter (9) comprise safety means (70) that allow the arm to be retained in the nominal locking position upon failure of the holding means (20), said safety means (70) being configured to allow the adapter (9) to be mounted on and/or removed from the arm during nominal operation. The invention also relates to such a connector and such an adapter, as well as to a wiping system comprising such an attachment device.

IPC 8 full level

B60S 1/38 (2006.01); **B60S 1/40** (2006.01)

CPC (source: EP US)

B60S 1/3849 (2013.01 - US); **B60S 1/3858** (2013.01 - US); **B60S 1/3868** (2013.01 - EP US); **B60S 1/4048** (2013.01 - EP US); **B60S 2001/4051** (2013.01 - EP US); **B60S 2001/4054** (2013.01 - EP US); **B60S 2001/4058** (2013.01 - US)

Citation (search report)

See references of WO 2013060723A1

Citation (examination)

US 2006059647 A1 20060323 - OSTROWSKI WOLFGANG [DE]

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)

FR 2981622 A1 20130426; **FR 2981622 B1 20140912**; CN 104024063 A 20140903; CN 104024063 B 20160824; EP 2771215 A1 20140903; US 2014259507 A1 20140918; US 2018072277 A1 20180315; US 9845076 B2 20171219; WO 2013060723 A1 20130502

DOCDB simple family (application)

FR 1159651 A 20111025; CN 201280064396 A 20121024; EP 12775518 A 20121024; EP 2012071052 W 20121024; US 201214354411 A 20121024; US 201715813597 A 20171115