

Title (en)

ELECTRIC DRIVE SYSTEM COMPRISING DIFFERENTIAL STEERING FOR A VEHICLE, DRIVE UNIT AND VEHICLE

Title (de)

ELEKTRISCHES ANTRIEBSSYSTEM MIT RUTSCHLENKUNG FÜR EIN FAHRZEUG, GETRIEBEEINHEIT UND FAHRZEUG

Title (fr)

SYSTEME D'ENTRAÎNEMENT ÉLECTRIQUE À DIRECTION À GLISSEMENT POUR UN VÉHICULE À MOTEUR, UNITÉ TRANSMISSION ET VÉHICULE À MOTEUR CORRESPONDANT

Publication

**EP 1888392 A1 20080220 (DE)**

Application

**EP 06754183 A 20060607**

Priority

- EP 2006005418 W 20060607
- DE 102005027117 A 20050610

Abstract (en)

[origin: WO2006131332A1] The invention relates to an electric drive system (10) for a vehicle comprising differential steering. Said system comprises two similar drive units (20, 22), an electric energy source (13, 15, 16, 18), an electronic control unit (36) and a left and right summarising gear, which are configured as planetary gears. One drive unit drives the ring gear (48) of the left summarising gear, whilst the other drive unit drives the ring gear (56) of the right summarising gear. The ring gear (48) of the left summarising gear has a direct drive connection with the sun gear (54) of the right summarising gear by means of a mechanical gear train, whilst the ring gear (56) of the right summarising gear has a direct drive connection with the sun gear (46) of the left summarising gear by means of a second mechanical gear train. According to the invention, a left sun gear shaft (60) runs through a left hollow shaft (58) towards the centre of the vehicle and a right sun gear shaft (64) runs through a right hollow shaft (62) towards the centre of the vehicle.

IPC 8 full level

**B62D 11/04** (2006.01)

CPC (source: EP KR US)

**B62D 11/02** (2013.01 - KR); **B62D 11/04** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2006131332A1

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)

**DE 102005027117 A1 20061214**; EP 1888392 A1 20080220; KR 20080014993 A 20080215; US 2008210481 A1 20080904; WO 2006131332 A1 20061214

DOCDB simple family (application)

**DE 102005027117 A 20050610**; EP 06754183 A 20060607; EP 2006005418 W 20060607; KR 20077028577 A 20071207; US 91657906 A 20060607