

Title (en)  
A STEERING WHEEL ARRANGEMENT

Title (de)  
LENKRADANORDNUNG

Title (fr)  
INSTALLATION DE VOLANT

Publication  
**EP 2214948 A4 20140409 (EN)**

Application  
**EP 07852212 A 20071205**

Priority  
SE 2007050940 W 20071205

Abstract (en)  
[origin: WO2009072943A1] A steering wheel arrangement is disclosed which comprises a steering wheel frame (32) secured to a steering column (16) for co-rotation with the steering column (16). The arrangement has a central non-rotating hub (43) provided within the periphery of the steering wheel frame and the steering column (16) is rotatably mounted about a column axis (A) within a steering column housing (18). The housing (18) has a first fixed gear (27), and the hub (43) has a second fixed gear (40). The arrangement has a planetary gear arrangement (46) provided on the steering wheel frame (32) and which comprises a first planetary gear (47) in mesh with the first fixed gear (27) and a second planetary gear (52) arranged in mesh with the second fixed gear (40). The planetary gears are arranged for rotation relative to the steering wheel frame (32) about an axis of rotation which is inclined at an angle to the column axis (24). The planetary gear arrangement (46) is configured such that rotation of one of the planetary gears imparts rotational movement to the other planetary gear. In a preferred embodiment, the two planetary gears (47, 52) are fixed to one another for co-rotation about a common axis of rotation.

IPC 8 full level  
**B62D 1/10** (2006.01); **B60R 21/203** (2006.01)

CPC (source: EP)  
**B60R 21/2032** (2013.01); **B62D 1/105** (2013.01)

Citation (search report)

- [X] WO 2005028263 A2 20050331 - INOVA GMBH [DE], et al
- [X] US 4759235 A 19880726 - HIRAMITSU TETSUSHI [JP], et al
- [A] WO 2006081813 A1 20060810 - THYSSENKRUPP PRESTA AG [LI], et al
- See references of WO 2009072943A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2009072943 A1 20090611**; EP 2214948 A1 20100811; EP 2214948 A4 20140409

DOCDB simple family (application)  
**SE 2007050940 W 20071205**; EP 07852212 A 20071205