

Title (en)

BEARING UNIT, PREFERABLY, WHEEL BEARING UNIT FOR A MOTOR VEHICLE, AND METHOD FOR PRODUCING A BEARING UNIT

Title (de)

LAGEREINHEIT, VORZUGSWEISE RADLAGEREINHEIT FÜR EIN KRAFTFAHRZEUG, SOWIE VERFAHREN ZUR HERSTELLUNG EINER LAGEREINHEIT

Title (fr)

UNITE DE PALIER, NOTAMMENT UNITE DE PALIER DE ROUE DESTINEE A UN VEHICULE ET PROCEDE DE FABRICATION

Publication

EP 1934493 A1 20080625 (DE)

Application

EP 06805353 A 20060929

Priority

- DE 2006001729 W 20060929
- DE 102005049454 A 20051015

Abstract (en)

[origin: WO2007045203A1] The invention relates to a bearing unit, preferably, a wheel bearing unit (1) for a motor vehicle, comprising a hub (2) provided with a wheel-sided securing flange (11), whereon an angular contact anti-friction bearing (6), which comprises at least one inner ring (7) and an outer ring (8), is arranged. In order to produce the bearing unit (1) and to operate it in an economical manner, and also to prevent, for example, deformation and tensions characteristic of known roller riveting units, the securing flange (3) is connected in a material fit to the flange ring (11) in relation to the end (10) of the hub (2), which clamps at least the inner ring (7) to the hub (2). The invention also relates to a method for producing a bearing unit (1), preferably, a wheel bearing unit for a motor vehicle, comprising a hub (2) which is provided with a wheel-sided securing flange (3) whereon an angular contact anti-friction bearing (6) comprising at least one inner ring (7) and an outer ring (8), is arranged, by means of a device (13) which exerts a clamping force (F) on the bearing unit (1).

IPC 8 full level

B60B 27/00 (2006.01); **F16C 19/18** (2006.01); **F16C 35/063** (2006.01)

CPC (source: EP US)

B60B 27/00 (2013.01 - EP US); **F16C 19/184** (2013.01 - EP US); **F16C 35/063** (2013.01 - EP US); **F16C 2226/36** (2013.01 - EP US); **F16C 2229/00** (2013.01 - EP US); **F16C 2326/02** (2013.01 - EP US); **Y10T 29/49679** (2015.01 - EP US)

Citation (search report)

See references of WO 2007045203A1

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 102005049454 A1 20070419; CN 101287919 A 20081015; EP 1934493 A1 20080625; JP 2009511325 A 20090319; US 2010158423 A1 20100624; WO 2007045203 A1 20070426

DOCDB simple family (application)

DE 102005049454 A 20051015; CN 200680038108 A 20060929; DE 2006001729 W 20060929; EP 06805353 A 20060929; JP 2008534861 A 20060929; US 9012006 A 20060929