

Title (en)

SEALED RADIAL ROLLING BEARING, IN PARTICULAR WHEEL BEARING FOR A MOTOR VEHICLE

Title (de)

ABGEDICHTETES RADIALWÄLZLAGER, INSBESONDERE RADLAGER EINES KRAFTFAHRZEUGES

Title (fr)

PALIER DE ROULEMENT A CHARGE RADIALE ETANCHE, EN PARTICULIER ROULEMENT DE ROUE DE VEHICULE AUTOMOBILE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006116977A1] The invention relates to a sealed radial rolling bearing (1), in particular a wheel bearing for a motor vehicle, which substantially comprises an outer bearing ring (2) and an inner bearing ring (3) and a plurality of rolling bodies (4) which roll between the bearing rings (2, 3) and are held with uniform spacing relative to one another by means of a bearing cage (5). Here, in each case one radially arranged sealing element (6) extends between the bearing rings (2, 3) at each side at a distance axially from the rolling bodies (4), said sealing element (6) having one or more sealing lips (8, 9) which are connected to the outer bearing ring (2) and come into contact with a centrifugal ring (10) which is connected by means of a press fit to the inner bearing ring (3). According to the invention, the centrifugal ring (10) of the sealing element (6) is composed of a simple cold-formable steel sheet and has a galvanic corrosion prevention coating (13) with zinc-containing constituents, the cathodic protective action of which can prevent both rust infiltration at the press fit between the centrifugal ring (10) and the inner bearing ring (3) and the onset of corrosion in the region of contact between the sealing lips (8, 9) and the centrifugal ring (10).

IPC 8 full level

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