

Title (en)

METHOD FOR PRODUCING A FLANGED DISK FOR A SPHERICAL ROLLER BEARING AND SPHERICAL ROLLER BEARING HAVING A FLANGED DISK PRODUCED ACCORDING TO THE METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER BORDSCHEIBE FÜR EIN PENDELROLLENLAGER UND PENDELROLLENLAGER MIT EINER VERFAHRENSGEMÄSS HERGESTELLTEN BORDSCHEIBE

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE COLLERETTE POUR UN ROULEMENT À ROTULE ET ROULEMENT À ROTULE MUNI D'UNE COLLERETTE FABRIQUÉE SELON LE PROCÉDÉ

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Abstract (en)

[origin: WO2011015184A1] The invention relates to a method for producing a flanged disk (16) for a spherical roller bearing (1). According to the invention, a straight pipe section is first bent to form a ring (28) having two ring ends (29, 30) separated by a gap (31), the two ring ends (29, 30) of which ring are then joined. The therefore closed, for example welded, ring preform (28) is finally shaped into a flanged disk (16) having the desired axial section geometry (35), which generally deviates from a circular shape, in a pressing device having a suitable contour tool in a single pass. Said production process ensures a practically waste-free and energy-efficient production process of the flanged disk (16) designed as a hollow body (17), said production process having short cycle times. In addition, the flanged disk (16) has a significantly reduced mass compared to conventional flanged disks produced from solid material. Furthermore, the invention relates to a spherical roller bearing (1) having a flanged disk (16) produced according to the invention and designed as a hollow body (17).

IPC 8 full level

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