

Title (en)

LARGE ROLLER BEARING COMPRISING A LABYRINTH SEAL

Title (de)

GROSSWÄLZLAGER MIT LABYRINTHDICHTUNG

Title (fr)

PALIER À ROULEMENT DE GRANDE DIMENSION POURVU D'UNE GARNITURE EN LABYRINTHE

Publication

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Application

EP 14719019 A 20140424

Priority

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Abstract (en)

[origin: WO2014180668A1] The invention relates to a roller bearing (100), in particular a roller bearing (100) with a diameter greater than 50cm, comprising an inner ring (110), an outer ring (120), a number of rolling elements (130) located between the inner ring (110) and the outer ring (120), and at least one sealing ring (140). The sealing ring (140) is arranged on a surface of the inner ring (110) or of the outer ring (120) and the outer ring (120) or inner ring (110) comprises a corresponding recess. The recess is designed and arranged in such a way that a major part of an exposed surface of the sealing ring (140) is enclosed in a contactless manner, such that, between an interior, used for accommodating the rolling element (130), and an exterior of the roller bearing (100), a labyrinth seal is formed by means of the sealing ring (140) and the recess.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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