

Title (en)

SEALING APPARATUS USED FOR VARIABLE GAUGE WHEELSET, AND VARIABLE GAUGE WHEELSET

Title (de)

FÜR EIN RADSATZ MIT VARIABLER SPURBREITE VERWENDETE DICHUNGSVORRICHTUNG SOWIE RADSATZ MIT VARIABLER SPURBREITE

Title (fr)

APPAREIL D'ÉTANCHÉITÉ UTILISÉ POUR UN ENSEMBLE ROUE À JAUGE VARIABLE, ET ENSEMBLE ROUE À JAUGE VARIABLE

Publication

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Application

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Abstract (en)

[origin: EP3909829A1] Disclosed are a sealing apparatus for a gauge changing wheelset, and a gauge changing wheelset. The sealing apparatus is arranged between a sliding mechanism (3) of the gauge changing wheelset and an axle-box rear cover (2) of an axle-box body (1); the sliding mechanism (3) is axially movable relative to the axle-box body (1) and rotatable relative to the axle-box body (1); the sealing apparatus includes a sliding seal and a rotary seal; the sliding seal includes a sliding ring (4) sleeved outside the sliding mechanism (3) and hermetically connected to the axle-box rear cover (2); an inner wall of the sliding ring (4) is axially provided with a through groove (41), and an outer wall of the sliding mechanism (3) is axially provided with a protrusion which is slidably fitted with the through groove (41); the rotating seal includes a sealing baffle (5) fixed on an outer side of the axle-box rear cover (2); an outer wall of the sliding ring (4) is circumferentially provided with an annular groove (42), and a lower end of the sealing baffle (5) extends into the annular groove (42). The described sealing apparatus may seal between the sliding mechanism (3) and the axle-box body (1), thereby improving the sealing environment and enhancing the sealing effects.

IPC 8 full level

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