

Title (en)

PLANETARY GEAR ARRANGEMENT FOR A SEAT ADJUSTMENT MECHANISM AND METHOD FOR OPERATING SUCH A PLANETARY GEAR ARRANGEMENT

Title (de)

PLANETENGETRIEBANORDNUNG FÜR EINEN SITZVERSTELLMECHANISMUS UND VERFAHREN ZUM BETRIEB EINER SOLCHEN PLANETENGETRIEBANORDNUNG

Title (fr)

ENSEMBLE ENGRENAGE PLANÉTAIRE POUR UN MÉCANISME DE RÉGLAGE DE SIÈGE ET PROCÉDÉ DE FONCTIONNEMENT D'UN ENSEMBLE ENGRENAGE PLANÉTAIRE DE CE TYPE

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Application

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Abstract (en)

[origin: WO2012152727A2] The invention relates to a planetary gear arrangement (P to P'') for a seat adjustment mechanism, said planetary gear arrangement comprising at least one inner, externally toothed fitting part (2) and an outer, internally toothed fitting part (3), which fitting parts are pivotable in relation to each other about a pivot axis, wherein the inner, externally toothed fitting part (2) is arranged in the outer, internally toothed fitting part (3) in such a manner that an external toothing (7) of the inner, externally toothed fitting part (2) rolls along an internal toothing (8) of the outer, internally toothed fitting part (3). According to the invention, a plurality of electric magnetizing coils are arranged annularly on the outer, internally toothed fitting part (3), said magnetizing coils being activatable alternately in an encircling manner in the circumferential direction of the outer, internally toothed fitting part (3) such that the magnetic field of each magnetizing coil acts on the inner, externally toothed fitting part (2) and sets the latter into a rotatory movement relative to the outer, internally toothed fitting part (3). Furthermore, the invention relates to a method for operating a planetary gear arrangement (P, P' to P'') for a seat adjustment mechanism.

IPC 8 full level

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