

Title (en)

A CONTINUOUS RECLINER MECHANISM FOR VEHICLE SEATS AND OTHER APPLICATIONS

Title (de)

MECHANISMUS ZUR STUFENLOSEN NEIGUNGSVERSTELLUNG FÜR FAHRZEUGSITZE UND ANDERE ANWENDUNGEN

Title (fr)

MÉCANISME D'ARTICULATION CONTINUE POUR SIÈGE DE VÉHICULE ET AUTRES APPLICATIONS

Publication

**EP 1853456 A1 20071114 (EN)**

Application

**EP 05808437 A 20051125**

Priority

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- GB 0504118 A 20050301

Abstract (en)

[origin: GB2423701A] A seat recliner for a seat having a seat cushion and a reclinable squab includes a stationary hinge member 108 connectable with the cushion, and adjustable hinge member 110 connectable with the squab and an angular position adjuster in the form of a wobble gear mechanism. The mechanism includes a primary gear mechanism 114,116 and a secondary gear mechanism 118,120, each comprising an inner gear and an outer gear having different numbers of teeth and arranged to provide a point of maximum tooth engagement (Y,Z). An eccentric drive element 112 is rotatable to cause eccentric relative rotation of the inner and outer gears and angular adjustment of the hinge members. The points of maximum tooth engagement (Y,Z) of the primary and secondary gear mechanisms are diametrically opposed to one another.

IPC 8 full level

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