

Title (en)
HEAD REST RELEASE MECHANISM

Title (de)
KOPFSTÜTZENFREIGABEMECHANISMUS

Title (fr)
MÉCANISME DE DÉCLENCHEMENT POUR APPUI-TÊTE

Publication
EP 2032000 A4 20100526 (EN)

Application
EP 07720027 A 20070618

Priority
• CA 2007001112 W 20070618
• US 80501606 P 20060616
• US 89045107 P 20070216

Abstract (en)
[origin: WO2007143861A1] Automatic headrest actuation systems for moving head rests in seats such as found in vehicles are disclosed. One embodiment moves a head rest (20) into a forwardly folded position when a seat is folded forward, allowing the seat to achieve a horizontal position. Bowden cables (50) are arranged to automatically effect the head rest folding when the seat is moved from an upright position. A second embodiment moves a head rest towards an occupant's head when a force is applied to a lumbar support basket (220), such as during a vehicular collision. Bowden cables and an actuator (224) operatively connect the support basket and the head rest. A third embodiment moves a head rest towards an occupant's head when a severe load is applied to a fluid-filled lumbar support bladder (920). Pressure is transmitted to a head rest actuator via an interconnecting fluid passageway (924).

IPC 8 full level
A47C 7/38 (2006.01); **B60N 2/30** (2006.01); **B60N 2/48** (2006.01)

CPC (source: EP US)
B60N 2/206 (2013.01 - EP US); **B60N 2/3011** (2013.01 - EP US); **B60N 2/66** (2013.01 - US); **B60N 2/665** (2015.04 - EP US); **B60N 2/666** (2015.04 - EP US); **B60N 2/6671** (2015.04 - EP US); **B60N 2/806** (2018.01 - EP US); **B60N 2/874** (2018.01 - EP US); **B60N 2/888** (2018.01 - EP US); **B60N 2/919** (2018.01 - EP US); **B60N 2/986** (2018.01 - EP US)

Citation (search report)
• [X] US 2004140705 A1 20040722 - MCMILLEN ROBERT J [CA], et al
• [A] EP 0306374 A1 19890308 - COUSIN CIE ETS A & M FRERES [FR]
• [A] DE 102004040881 A1 20060302 - FAURECIA AUTOSITZE GMBH & CO [DE]
• [A] US 2005127739 A1 20050616 - BATES JEFFREY D [GB]
• See references of WO 2007143861A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007143861 A1 20071221; EP 2032000 A1 20090311; EP 2032000 A4 20100526; US 2008007106 A1 20080110

DOCDB simple family (application)
CA 2007001112 W 20070618; EP 07720027 A 20070618; US 76462807 A 20070618