

Title (en)
STEERING COLUMN TILT ADJUSTING SYSTEM

Title (de)
LENKSÄULENNEIGUNGSEINSTELLSYSTEM

Title (fr)
SYSTEME DE REGLAGE DE L'INCLINAISON D'UNE COLONNE DE DIRECTION

Publication
EP 1773643 A4 20071031 (EN)

Application
EP 04815174 A 20041216

Priority
• US 2004043060 W 20041216
• US 53037803 P 20031216

Abstract (en)
[origin: WO2005058646A2] A steering column tilt adjusting system for releasably locking a steering column assembly. The pawl is pivotally coupled to the rack and may be pivotally and slidably moved between fully compressed and fully extended positions. The system includes a pawl, a rack, and a pair of side slide plates. Each of the pawl and the rack support a set of rack teeth. The pawl and rack, which are slidable relative to one another, permit adjustment of the system to a fully compressed locked position (teeth of the pawl engaging the teeth of the rack), a fully compressed unlocked position (the teeth of the pawl and those of the rack are not engaged), a fully extended unlocked position (the teeth are not engaged) or a fully extended locked position (the teeth of the pawl engaging the teeth of the rack). In operation, the length of the adjustment system is unlocked, adjusted and relocked to cause the steering column steering wheel to be repositioned as the driver wants.

IPC 8 full level
B62D 1/184 (2006.01)

IPC 8 main group level
B60R (2006.01)

CPC (source: EP)
B62D 1/184 (2013.01)

Citation (search report)
• [DXA] US 6591709 B1 20030715 - KIM TYLER [US], et al
• See references of WO 2005058646A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2005058646 A2 20050630; WO 2005058646 A3 20070118; EP 1773643 A2 20070418; EP 1773643 A4 20071031

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