

Title (en)
LIFTGATE FORCE CONTROL

Title (de)
KRAFTSTEUERUNGSGERÄT EINER HECKKLAPPE

Title (fr)
ENSEMBLE DE CONTROLE DE FORCE DE DEPLACEMENT DE HAYON

Publication
EP 1320656 A1 20030625 (EN)

Application
EP 01973923 A 20011001

Priority
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• US 23697800 P 20000929

Abstract (en)
[origin: WO0227133A1] A liftgate force control assembly (20) adjusts the force required to move a liftgate (12) that is pivotally secured to a motor vehicle (10) using a hinge (14). The liftgate force control assembly includes a track (42) that is fixedly secured to the motor vehicle. A follower (46) is movably secured to the track. A strut (34, 36) has a movable end (26, 28) and a secured end (30, 32). The secured end (30, 32) is pivotally secured to the liftgate (12) and the movable end (26, 28) is pivotally secured to the follower (46). The strut (34, 36) defines a moment with respect to the hinge that secures the liftgate to the motor vehicle. A motor (50) is connected to the follower (46) to move the follower (46) along the track (42) changing the moment of the strut such that the force required to move the liftgate (12) changes as the moment changes.

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E05F 15/12; E05F 1/10

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CPC (source: EP)
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